
**How to Use the d-Spacing/Interfacial Angle Tables
to Index Zone-Axis Patterns of
Amphibole Asbestos Minerals Obtained by
Selected Area Electron Diffraction in
Transmission Electron Microscope**

Shu-Chun Su, Ph.D.

**Asbestos Analysis Consulting
Newark, Delaware
USA**

**(updated in)
2008**

General Steps of Indexing a Zone-Axis SAED pattern

1. Measure the d -spacing of $(hk0)$

All amphibole asbestos minerals elongate along c -axis or $[001]$ crystallographic axis. Therefore, there are always $(hk0)$ diffractions forming an $(hk0)$ reciprocal lattice row as a distinctive layer line in an SAED pattern. Fig. 1 is a zone-axis pattern of crocidolite (riebeckite). The horizontal row is assumed to be the $(hk0)$ row. We shall be able to find out whether this assumption is true at the end of this indexing procedure and arrive at the correct conclusion. Draw a straight line (the red line in Fig. 1) through a horizontal reciprocal lattice row. It is not necessary to use the row passing through the beam center. Measure the distance between the two outmost well-defined spots and count the number of spaces

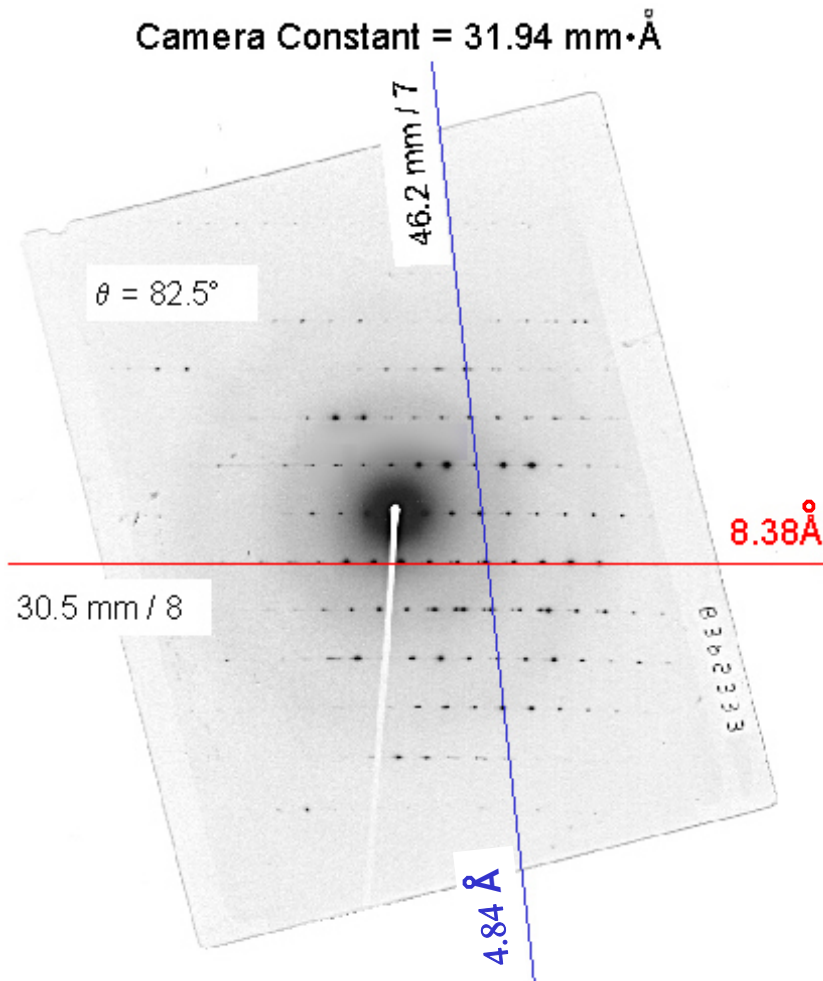


Figure 1. The $[112]$ zone-axis SAED pattern of a riebeckite asbestos fiber from the collection of NIST SRM (Standard Reference Material) 1867.

between the two spots. It is not necessary to use a special device to accomplish this task. A good quality metric ruler with very fine graduation lines should perform very well for this measurement. Make sure that you estimate to the one tenth of millimeter in taking the readings. In Fig. 1, the total distance is 30.5 mm with 8 spaces between the two spots measured. Therefore, the geometric distance between two adjacent spots is 3.813 mm. The corresponding d -spacing between these two reciprocal lattice spots, which represent two adjacent parallel lattice planes in real crystal lattice, can be calculated by the following equation:

$$d\text{-spacing } (\text{\AA}) = \frac{\text{The diffraction camera constant (mm}\cdot\text{\AA)}}{\text{The geometric distance between two adjacent reciprocal lattice spots (mm).}}$$

The diffraction camera constant for the transmission electron microscope and the focal length used to obtain the SAED pattern in Fig. 1 is 31.94 mm·Å. The d -spacing along the (hk0) direction between two adjacent lattice planes for the riebeckite crystal in Fig. 1 is thus calculated to be 8.38 Å.

2. Measure the d -spacing of (hkl)

Now select another reciprocal lattice row that is at a high angle with the (hk0) row selected in the previous step. The blue line in Fig. 1 represents such a row. By following the same procedure in the previous step, the d -spacing along the (hkl) direction along the blue line is calculated to be 4.84 Å.

3. Measure the interfacial angle between the (hk0) and (hkl) lattice planes

In SAED patterns, each diffraction spot or reciprocal lattice point represents a set of equally spaced real lattice planes. Use a protractor measure the angle between the (hk0) and (hkl) layer lines represented by the red and blue lines, respectively, in Fig. 1, which equals the angle between the corresponding real lattice planes. Make sure to estimate to the one tenth of degree in taking the readings. For the example in Fig. 1, the angle is 82.5°.

4. Determine the Miller indices of the measured (hk0) and (hkl) spots and the Miller index of the corresponding zone-axis

In analyzing airborne asbestos samples, one always performs EDX (energy dispersive X-ray) analysis on the unknown asbestos fiber whose zone-axis SAED patterns are recorded subsequently. Based on the morphology and chemical composition information derived from the EDX analysis, one should have already arrived at an initial identification of the unknown fiber. In the case of Fig. 1, the EDX results indicate that the fiber is probably riebeckite (or crocidolite). From the above three steps, we have obtained the following measurements from the SAED pattern:

$$\begin{aligned}
 d\text{-spacing along } (hk0) &= 8.38 \text{ \AA}; \\
 d\text{-spacing along } (hkl) &= 4.84 \text{ \AA}; \\
 \text{Ratio of } d_{(hk0)}/d_{(hkl)} &= 1.73 \\
 (hk0) \wedge (hkl) &= 82.5^\circ.
 \end{aligned}$$

Since we suspect the unknown fiber is riebeckite, let us use the “Riebeckite” table to identify the Miller indices of the above lattice planes and zone axis. Every d -spacing and interfacial angle table in Appendices contains 8 columns (Table 1).

Table 1. The structure of d -spacing and interfacial angle tables in Appendices

Column	Description	Remarks
Zone Axis	The <i>direct</i> crystal axis parallel to the electron beam at the orientation when the SAED pattern is recorded. It is the intersection line between the (hk0) and (hkl) direct lattice planes listed in the following 2 columns, respectively.	Mathematically, it is the cross product of the two matrices represented by the Miller indices of the (hk0) and (hkl) direct lattice planes listed in the following 2 columns, respectively.
(hk0)	The Miller index of the direct lattice plane (hk0).	
(hkl)	The Miller index of the direct lattice plane (hkl).	
d(hk0)	The d -spacing along the (hk0) layer line or the geometric distance between two adjacent direct lattice planes perpendicular to [hk0] direction	Measured in Step 1.
d(hkl)	The d -spacing along the (hkl) layer line or the geometric distance between two adjacent direct lattice planes perpendicular to [hkl] direction	Measured in Step 2.
(hk0)/(hkl)	The ratio of d(hk0) to d(hkl)	Calculated by dividing d(hk0) by d(hkl)
θ (°)	The acute interfacial angle between the direct lattice planes (hk0) and (hkl).	Measured in Step 3.
To C-Axis(°)	The angle between the electron beam and the direct crystallographic axis C.	The fiber axis direction in all amphibole asbestoses is always C axis. Most of the fibers lying on the filter surface have their C-axis at low angles (0° to 30°) to the filter surface or high angle (120° to 60°) to the electron beam when the goniometer head is not tilted.

The first step is to look for the $d(hk0)$ closest to the observed 8.38 Å. On p.2 we found that (110) or (1, -1,0) plane's d -spacing is 8.403 Å, a very reasonable match (a 0.27% error). Therefore, we have identified that the (hk0) plane in our SAED pattern is either (110) or (1,-1,0). Although these two planes in a monoclinic crystal are identical and indistinguishable, they do form different interfacial angles with general (hkl) planes.

The second step is to look for $d(hkl)$ closest to the observed d -spacing of 4.84 Å. There are 1 match for (hkl) = (11,-1) at 4.891 Å, another very reasonable match (a 1.0% error). The zone-axis possibility has now been narrowed down to either [112] or [110].

The third step is to look for the θ closest to the observed interfacial angle of 82.5°. Clearly, the zone-axis [112], which is the intersection line of (110) and (11,-1) planes, gives the closest match, 82.3° (a 0.24% error). We can conclude that the SAED pattern in Fig. 1 is the [112] zone-axis pattern.

A comparison of the observed and the reference ratios of $d(hk0)/d(hkl)$, 1.73 vs. 1.72, further confirms the [112] zone-axis identification.

The indexing of the SAED pattern in Fig. 1 is now completed.

5. Discussions

(1) Initial assignment of (hk0) and (hkl)

If at the beginning we assumed that the blue lattice line was the (hk0) and the red line was the (hkl) row, we would not be able to find a match. By reversing the assignments of (hk0) and (hkl), an excellent match, i.e., the zone-axis [112], would have been found. We could then conclude that the initial assignment was incorrect and still be able to reach correct solution.

(2) Twinning

Amphibole asbestos minerals are often twinned. The visual effect of twinning on the SAED patterns is the doubling of the number of reciprocal lattice spots perpendicular to the twinning plane, which translates into the doubling of the observed d -spacing between adjacent reciprocal lattice spots because the SAED pattern is the image of the real crystal lattice in the reciprocal space and the geometric distance between two adjacent reciprocal lattice spots is the reverse of the distance between the corresponding direct lattice planes.

For example, if the crystal that producing the SAED pattern in Fig. 1 is twinned along (010) plane, the number of reciprocal lattice spots in the (hk0) layer line (red line) will be doubled and the corresponding observed d -spacing will be twice of the untwined crystal value 8.36 Å or 16.72 Å. The space group of riebeckite is C2/m, resulting in the extinction of all (0kl) planes with (k+1) as odd numbers. Therefore, (010) plane, whose d -spacing is ~18 Å is absent from any riebeckite SAED patterns and the largest possible observable d -spacing is

9.024 Å, which belongs to (020) plane. If the observed d -spacing along (hk0) is 16.72 Å, which is far greater than the possible 9.024 Å value, we would immediately suspect that the recorded SAED pattern is from a twinned crystal and the true d -spacing along (hk0) should be half of the observed value, i.e., 8.36 Å. Using the true (hk0) value, we will be able to reach the correct conclusions regarding the indices of (hk0) and (hkl) as well as the corresponding zone-axis.

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[1 0 0]	(0 2 0)	(0 0 1)	9.055	5.158	1.76	90.0	105.0
[1 0 1]	(0 2 0)	(1 -1 -1)	9.055	4.931	1.84	74.2	73.7
[1 0 0]	(0 2 0)	(0 2 1)	9.055	4.482	2.02	60.3	105.0
[1 0 2]	(0 2 0)	(2 0 -1)	9.055	4.062	2.23	90.0	49.5
[1 0 -1]	(0 2 0)	(1 1 1)	9.055	4.010	2.26	77.2	129.6
[1 0 1]	(0 2 0)	(1 -3 -1)	9.055	3.907	2.32	49.7	73.7
[1 0 2]	(0 2 0)	(2 -2 -1)	9.055	3.706	2.44	65.8	49.5
[1 0 -1]	(0 2 0)	(1 3 1)	9.055	3.398	2.66	55.7	129.6
[1 0 2]	(0 2 0)	(2 -4 -1)	9.055	3.023	2.99	48.1	49.5
[2 0 1]	(0 2 0)	(1 1 -2)	9.055	2.641	3.43	81.6	89.3
[1 0 1]	(0 2 0)	(2 0 -2)	9.055	2.562	3.53	90.0	73.7
[1 0 0]	(0 2 0)	(0 2 2)	9.055	2.480	3.65	74.1	105.0
[2 0 1]	(0 2 0)	(1 3 -2)	9.055	2.442	3.71	66.1	89.3
[2 0 -1]	(0 2 0)	(1 -1 2)	9.055	2.322	3.90	82.6	118.7
[2 0 3]	(0 2 0)	(3 1 -2)	9.055	2.298	3.94	82.7	60.2
[1 0 1]	(0 2 0)	(2 -4 -2)	9.055	2.230	4.06	60.5	73.7
[2 0 -1]	(0 2 0)	(1 3 2)	9.055	2.183	4.15	68.8	118.7
[2 0 3]	(0 2 0)	(3 3 -2)	9.055	2.163	4.19	69.0	60.2
[2 0 1]	(0 2 0)	(1 -5 -2)	9.055	2.149	4.21	53.6	89.3
[1 0 -1]	(0 2 0)	(2 0 2)	9.055	2.056	4.40	90.0	129.6
[1 0 2]	(0 2 0)	(4 2 -2)	9.055	1.982	4.57	77.4	49.5
[2 0 -1]	(0 2 0)	(1 5 2)	9.055	1.966	4.61	57.1	118.7
[1 0 0]	(0 2 0)	(0 6 -2)	9.055	1.961	4.62	49.5	105.0
[2 0 3]	(0 2 0)	(3 5 -2)	9.055	1.952	4.64	57.4	60.2
[1 0 -1]	(0 2 0)	(2 4 2)	9.055	1.872	4.84	65.6	129.6
[3 0 2]	(0 2 0)	(2 0 -3)	9.055	1.770	5.12	90.0	84.0
[3 0 1]	(0 2 0)	(1 -1 -3)	9.055	1.766	5.13	84.4	94.6
[3 0 2]	(0 2 0)	(2 -2 -3)	9.055	1.737	5.21	78.9	84.0
[2 0 -1]	(0 2 0)	(1 -7 2)	9.055	1.736	5.22	47.9	118.7
[2 0 3]	(0 2 0)	(3 7 -2)	9.055	1.726	5.25	48.2	60.2
[3 0 1]	(0 2 0)	(1 3 -3)	9.055	1.702	5.32	73.6	94.6
[1 0 1]	(0 2 0)	(3 -1 -3)	9.055	1.701	5.32	84.6	73.7
[1 0 0]	(0 2 0)	(0 2 3)	9.055	1.689	5.36	79.2	105.0
[1 0 2]	(0 2 0)	(4 6 -2)	9.055	1.685	5.37	56.1	49.5
[3 0 2]	(0 2 0)	(2 -4 -3)	9.055	1.649	5.49	68.6	84.0
[3 0 -1]	(0 2 0)	(1 1 3)	9.055	1.614	5.61	84.9	114.5
[1 0 0]	(0 2 0)	(0 4 3)	9.055	1.607	5.63	69.2	105.0
[3 0 4]	(0 2 0)	(4 0 -3)	9.055	1.605	5.64	90.0	64.4
[3 0 1]	(0 2 0)	(1 -5 -3)	9.055	1.593	5.68	63.9	94.6
[3 0 4]	(0 2 0)	(4 2 -3)	9.055	1.580	5.73	79.9	64.4
[3 0 -1]	(0 2 0)	(1 3 3)	9.055	1.565	5.79	75.0	114.5
[1 0 1]	(0 2 0)	(3 5 -3)	9.055	1.545	5.86	64.7	73.7
[3 0 2]	(0 2 0)	(2 -6 -3)	9.055	1.527	5.93	59.6	84.0
[1 0 -1]	(0 2 0)	(2 8 2)	9.055	1.522	5.95	47.8	129.6

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[3 0 4]	(0 2 0)	(4 4 -3)	9.055	1.513	5.99	70.5	64.4
[3 0 -2]	(0 2 0)	(2 0 3)	9.055	1.498	6.04	90.0	122.7
[1 0 0]	(0 2 0)	(0 6 3)	9.055	1.494	6.06	60.3	105.0
[3 0 -1]	(0 2 0)	(1 5 3)	9.055	1.479	6.12	65.9	114.5
[3 0 -2]	(0 2 0)	(2 -2 3)	9.055	1.478	6.13	80.6	122.7
[3 0 5]	(0 2 0)	(5 1 -3)	9.055	1.476	6.13	85.3	56.3
[3 0 1]	(0 2 0)	(1 -7 -3)	9.055	1.463	6.19	55.6	94.6
[3 0 5]	(0 2 0)	(5 3 -3)	9.055	1.438	6.29	76.2	56.3
[1 0 1]	(0 2 0)	(3 7 -3)	9.055	1.426	6.35	56.6	73.7
[3 0 -2]	(0 2 0)	(2 4 3)	9.055	1.422	6.37	71.7	122.7
[3 0 4]	(0 2 0)	(4 -6 -3)	9.055	1.417	6.39	62.0	64.4
[3 0 2]	(0 2 0)	(2 8 -3)	9.055	1.394	6.49	52.0	84.0
[3 0 -1]	(0 2 0)	(1 -7 3)	9.055	1.373	6.59	57.9	114.5
[3 0 5]	(0 2 0)	(5 5 -3)	9.055	1.371	6.60	67.8	56.3
[1 0 0]	(0 2 0)	(0 8 3)	9.055	1.369	6.61	52.8	105.0
[1 0 -1]	(0 2 0)	(3 -1 3)	9.055	1.367	6.63	85.7	129.6
[1 0 2]	(0 2 0)	(6 0 -3)	9.055	1.354	6.69	90.0	49.5
[3 0 -2]	(0 2 0)	(2 6 3)	9.055	1.342	6.75	63.6	122.7
[1 0 2]	(0 2 0)	(6 2 -3)	9.055	1.339	6.76	81.5	49.5
[3 0 1]	(0 2 0)	(1 9 -3)	9.055	1.331	6.80	48.6	94.6
[3 0 4]	(0 2 0)	(4 8 -3)	9.055	1.309	6.92	54.7	64.4
[1 0 1]	(0 2 0)	(3 9 -3)	9.055	1.302	6.95	49.7	73.7
[1 0 2]	(0 2 0)	(6 4 -3)	9.055	1.297	6.98	73.4	49.5
[3 0 5]	(0 2 0)	(5 7 -3)	9.055	1.285	7.04	60.2	56.3
[1 0 -1]	(0 2 0)	(3 5 3)	9.055	1.282	7.06	69.3	129.6
[3 0 2]	(0 2 0)	(2 10 -3)	9.055	1.266	7.15	45.7	84.0
[3 0 -1]	(0 2 0)	(1 9 3)	9.055	1.262	7.18	51.2	114.5
[1 1 0]	(1 1 0)	(0 0 1)	8.429	5.158	1.63	76.8	97.1
[1 1 0]	(1 1 0)	(1 -1 -1)	8.429	4.931	1.71	68.5	97.1
[1 -1 2]	(1 1 0)	(1 -1 -1)	8.429	4.931	1.71	83.5	68.3
[1 1 -2]	(1 1 0)	(0 2 1)	8.429	4.482	1.88	88.2	122.9
[1 -1 2]	(1 1 0)	(0 2 1)	8.429	4.482	1.88	64.6	68.3
[1 -1 2]	(1 1 0)	(2 0 -1)	8.429	4.062	2.08	54.9	68.3
[1 -1 -2]	(1 1 0)	(1 -1 1)	8.429	4.010	2.10	63.4	122.9
[1 1 0]	(1 1 0)	(1 -1 1)	8.429	4.010	2.10	49.2	97.1
[1 -1 4]	(1 1 0)	(1 -3 -1)	8.429	3.907	2.16	83.6	47.4
[1 -1 -2]	(1 1 0)	(1 3 -1)	8.429	3.907	2.16	60.6	122.9
[1 1 4]	(1 1 0)	(2 2 -1)	8.429	3.706	2.27	70.5	47.4
[1 1 4]	(1 1 0)	(0 4 -1)	8.429	3.403	2.48	59.9	47.4
[1 -1 4]	(1 1 0)	(3 -1 -1)	8.429	3.039	2.77	50.6	47.4
[1 1 1]	(1 1 0)	(1 1 -2)	8.429	2.641	3.19	86.7	82.2
[1 1 0]	(1 1 0)	(1 -1 -2)	8.429	2.641	3.19	85.5	97.1
[1 1 1]	(1 1 0)	(2 0 -2)	8.429	2.562	3.29	75.6	82.2

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[1 -1 1]	(1 1 0)	(0 2 2)	8.429	2.480	3.40	69.6	82.2
[1 1 -1]	(1 1 0)	(0 2 2)	8.429	2.480	3.40	84.7	111.1
[1 -1 -1]	(1 1 0)	(1 3 -2)	8.429	2.442	3.45	78.6	111.1
[1 1 2]	(1 1 0)	(1 3 -2)	8.429	2.442	3.45	79.7	68.3
[1 -1 -1]	(1 1 0)	(1 -1 2)	8.429	2.322	3.63	68.8	111.1
[1 1 0]	(1 1 0)	(1 -1 2)	8.429	2.322	3.63	61.2	97.1
[1 1 2]	(1 1 0)	(3 1 -2)	8.429	2.298	3.67	67.8	68.3
[1 1 1]	(1 1 0)	(3 -1 -2)	8.429	2.298	3.67	60.3	82.2
[1 1 -1]	(1 1 0)	(2 -4 -2)	8.429	2.230	3.78	63.5	111.1
[1 -1 3]	(1 1 0)	(2 -4 -2)	8.429	2.230	3.78	89.3	56.6
[1 -1 1]	(1 1 0)	(1 3 2)	8.429	2.183	3.86	55.6	82.2
[1 1 -2]	(1 1 0)	(1 3 2)	8.429	2.183	3.86	76.8	122.9
[1 -1 3]	(1 1 0)	(3 -3 -2)	8.429	2.163	3.90	75.9	56.6
[1 1 0]	(1 1 0)	(3 3 -2)	8.429	2.163	3.90	54.7	97.1
[1 -1 3]	(1 1 0)	(1 -5 -2)	8.429	2.149	3.92	74.5	56.6
[1 1 -2]	(1 1 0)	(1 -5 -2)	8.429	2.149	3.92	73.4	122.9
[1 -1 -1]	(1 1 0)	(2 0 2)	8.429	2.056	4.10	55.6	111.1
[1 1 3]	(1 1 0)	(4 2 -2)	8.429	1.982	4.25	62.7	56.6
[1 1 1]	(1 1 0)	(4 -2 -2)	8.429	1.982	4.25	48.5	82.2
[1 1 -3]	(1 1 0)	(1 5 2)	8.429	1.966	4.29	84.0	132.2
[1 -1 2]	(1 1 0)	(1 5 2)	8.429	1.966	4.29	52.4	68.3
[1 1 3]	(1 1 0)	(0 6 -2)	8.429	1.961	4.30	61.5	56.6
[1 -1 -3]	(1 1 0)	(0 6 -2)	8.429	1.961	4.30	82.6	132.2
[1 1 4]	(1 1 0)	(3 5 -2)	8.429	1.952	4.32	83.1	47.4
[1 1 -1]	(1 1 0)	(3 -5 -2)	8.429	1.952	4.32	51.6	111.1
[1 1 -3]	(1 1 0)	(2 4 2)	8.429	1.872	4.50	71.2	132.2
[1 -1 1]	(1 1 0)	(2 4 2)	8.429	1.872	4.50	45.0	82.2
[1 1 4]	(1 1 0)	(1 7 -2)	8.429	1.858	4.54	70.9	47.4
[1 -1 -3]	(1 1 0)	(1 7 -2)	8.429	1.858	4.54	70.0	132.2
[1 -1 -1]	(1 1 0)	(3 1 2)	8.429	1.779	4.74	45.6	111.1
[1 -1 -2]	(1 1 0)	(3 -1 2)	8.429	1.779	4.74	52.5	122.9
[3 -3 2]	(1 1 0)	(2 0 -3)	8.429	1.770	4.76	84.7	87.2
[1 1 0]	(1 1 0)	(1 1 -3)	8.429	1.766	4.77	88.5	97.1
[3 3 2]	(1 1 0)	(1 1 -3)	8.429	1.766	4.77	83.3	87.2
[1 -1 2]	(1 1 0)	(5 1 -2)	8.429	1.758	4.80	45.1	68.3
[1 1 3]	(1 1 0)	(5 1 -2)	8.429	1.758	4.80	52.0	56.6
[3 3 4]	(1 1 0)	(2 2 -3)	8.429	1.737	4.85	89.9	77.4
[1 1 0]	(1 1 0)	(2 -2 -3)	8.429	1.737	4.85	79.6	97.1
[1 -1 3]	(1 1 0)	(1 7 2)	8.429	1.736	4.86	51.1	56.6
[1 1 -2]	(1 1 0)	(3 -7 -2)	8.429	1.726	4.88	50.3	122.9
[1 1 -3]	(1 1 0)	(3 3 2)	8.429	1.714	4.92	60.1	132.2
[3 3 -2]	(1 1 0)	(1 -3 -3)	8.429	1.702	4.95	86.4	106.6
[3 3 4]	(1 1 0)	(1 3 -3)	8.429	1.702	4.95	78.5	77.4
[3 3 2]	(1 1 0)	(3 -1 -3)	8.429	1.701	4.96	73.1	87.2

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[3 3 4]	(1 1 0)	(3 1 -3)	8.429	1.701	4.96	78.2	77.4
[1 1 -3]	(1 1 0)	(2 -8 -2)	8.429	1.697	4.97	59.1	132.2
[1 1 4]	(1 1 0)	(5 3 -2)	8.429	1.695	4.97	59.6	47.4
[3 3 -2]	(1 1 0)	(0 2 3)	8.429	1.689	4.99	82.1	106.6
[3 -3 2]	(1 1 0)	(0 2 3)	8.429	1.689	4.99	71.8	87.2
[3 3 -2]	(1 1 0)	(2 -4 -3)	8.429	1.649	5.11	75.2	106.6
[1 1 2]	(1 1 0)	(2 4 -3)	8.429	1.649	5.11	85.3	68.3
[3 3 -2]	(1 1 0)	(1 1 3)	8.429	1.614	5.22	71.1	106.6
[1 1 0]	(1 1 0)	(1 -1 3)	8.429	1.614	5.22	66.0	97.1
[3 3 4]	(1 1 0)	(0 4 -3)	8.429	1.607	5.24	67.7	77.4
[3 3 -4]	(1 1 0)	(0 4 3)	8.429	1.607	5.24	87.2	115.3
[3 3 4]	(1 1 0)	(4 0 -3)	8.429	1.605	5.25	67.5	77.4
[1 1 2]	(1 1 0)	(1 5 -3)	8.429	1.593	5.29	74.4	68.3
[3 3 -4]	(1 1 0)	(1 -5 -3)	8.429	1.593	5.29	81.9	115.3
[1 1 2]	(1 1 0)	(4 2 -3)	8.429	1.580	5.33	72.8	68.3
[3 -3 2]	(1 1 0)	(4 2 -3)	8.429	1.580	5.33	62.7	87.2
[3 3 -4]	(1 1 0)	(1 3 3)	8.429	1.565	5.39	76.5	115.3
[3 -3 2]	(1 1 0)	(1 3 3)	8.429	1.565	5.39	61.7	87.2
[3 -3 8]	(1 1 0)	(3 -5 -3)	8.429	1.545	5.46	88.5	60.3
[3 -3 -2]	(1 1 0)	(3 5 -3)	8.429	1.545	5.46	64.9	106.6
[1 1 -3]	(1 1 0)	(4 2 2)	8.429	1.537	5.48	51.0	132.2
[3 -3 -4]	(1 1 0)	(2 6 -3)	8.429	1.527	5.52	71.6	115.3
[3 -3 8]	(1 1 0)	(2 -6 -3)	8.429	1.527	5.52	81.1	60.3
[1 -1 4]	(1 1 0)	(1 9 2)	8.429	1.526	5.52	50.9	47.4
[1 1 -3]	(1 1 0)	(3 -9 -2)	8.429	1.519	5.55	50.2	132.2
[3 -3 8]	(1 1 0)	(4 -4 -3)	8.429	1.513	5.57	78.2	60.3
[1 1 0]	(1 1 0)	(4 4 -3)	8.429	1.513	5.57	58.9	97.1
[3 -3 -2]	(1 1 0)	(2 0 3)	8.429	1.498	5.63	61.4	106.6
[1 -1 -2]	(1 1 0)	(0 6 -3)	8.429	1.494	5.64	88.2	122.9
[1 -1 2]	(1 1 0)	(0 6 3)	8.429	1.494	5.64	64.6	68.3
[3 -3 4]	(1 1 0)	(1 5 3)	8.429	1.479	5.70	58.4	77.4
[1 1 -2]	(1 1 0)	(1 5 3)	8.429	1.479	5.70	81.7	122.9
[1 1 0]	(1 1 0)	(2 2 3)	8.429	1.478	5.70	56.8	97.1
[3 -3 -4]	(1 1 0)	(2 -2 3)	8.429	1.478	5.70	66.7	115.3
[1 -1 2]	(1 1 0)	(5 -1 -3)	8.429	1.476	5.71	63.2	68.3
[3 -3 4]	(1 1 0)	(5 1 -3)	8.429	1.476	5.71	58.2	77.4
[1 -1 -2]	(1 1 0)	(1 7 -3)	8.429	1.463	5.76	78.2	122.9
[3 -3 8]	(1 1 0)	(1 -7 -3)	8.429	1.463	5.76	71.2	60.3
[3 -3 2]	(1 1 0)	(5 3 -3)	8.429	1.438	5.86	54.0	87.2
[3 3 8]	(1 1 0)	(5 3 -3)	8.429	1.438	5.86	68.5	60.3
[3 -3 10]	(1 1 0)	(3 -7 -3)	8.429	1.426	5.91	87.2	53.3
[3 -3 -4]	(1 1 0)	(3 7 -3)	8.429	1.426	5.91	62.4	115.3
[3 -3 2]	(1 1 0)	(2 4 3)	8.429	1.422	5.93	53.1	87.2
[1 1 -2]	(1 1 0)	(2 4 3)	8.429	1.422	5.93	72.1	122.9

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[3 -3 -2]	(1 1 0)	(4 6 -3)	8.429	1.417	5.95	56.2	106.6
[3 -3 10]	(1 1 0)	(4 -6 -3)	8.429	1.417	5.95	83.1	53.3
[3 -3 10]	(1 1 0)	(2 -8 -3)	8.429	1.394	6.05	77.7	53.3
[1 -1 -2]	(1 1 0)	(2 8 -3)	8.429	1.394	6.05	68.9	122.9
[3 3 -8]	(1 1 0)	(1 7 3)	8.429	1.373	6.14	86.4	129.4
[1 1 2]	(1 1 0)	(1 -7 3)	8.429	1.373	6.14	56.1	68.3
[1 1 0]	(1 1 0)	(5 -5 -3)	8.429	1.371	6.15	50.9	97.1
[3 3 10]	(1 1 0)	(5 5 -3)	8.429	1.371	6.15	73.8	53.3
[3 3 -8]	(1 1 0)	(0 8 3)	8.429	1.369	6.16	84.3	129.4
[3 -3 8]	(1 1 0)	(0 8 3)	8.429	1.369	6.16	62.4	60.3
[3 3 -2]	(1 1 0)	(3 -1 3)	8.429	1.367	6.17	53.3	106.6
[3 3 -4]	(1 1 0)	(3 1 3)	8.429	1.367	6.17	58.1	115.3
[1 1 2]	(1 1 0)	(6 0 -3)	8.429	1.354	6.23	54.9	68.3
[3 3 4]	(1 1 0)	(2 -6 3)	8.429	1.342	6.28	50.6	77.4
[3 3 -8]	(1 1 0)	(2 6 3)	8.429	1.342	6.28	77.2	129.4
[3 3 4]	(1 1 0)	(6 -2 -3)	8.429	1.339	6.29	50.4	77.4
[3 3 8]	(1 1 0)	(6 2 -3)	8.429	1.339	6.29	60.0	60.3
[3 3 -8]	(1 1 0)	(1 -9 -3)	8.429	1.331	6.33	75.3	129.4
[3 3 10]	(1 1 0)	(1 9 -3)	8.429	1.331	6.33	68.8	53.3
[3 3 -4]	(1 1 0)	(4 -8 -3)	8.429	1.309	6.44	54.4	115.3
[1 1 4]	(1 1 0)	(4 8 -3)	8.429	1.309	6.44	87.5	47.4
[1 1 -2]	(1 1 0)	(3 -9 -3)	8.429	1.302	6.47	60.6	122.9
[1 1 4]	(1 1 0)	(3 9 -3)	8.429	1.302	6.47	83.6	47.4
[3 3 2]	(1 1 0)	(6 -4 -3)	8.429	1.297	6.50	46.9	87.2
[3 3 10]	(1 1 0)	(6 4 -3)	8.429	1.297	6.50	65.3	53.3
[3 3 -2]	(1 1 0)	(5 -7 -3)	8.429	1.285	6.56	48.9	106.6
[1 1 4]	(1 1 0)	(5 7 -3)	8.429	1.285	6.56	78.8	47.4
[3 3 2]	(1 1 0)	(3 -5 3)	8.429	1.282	6.58	46.1	87.2
[3 3 -8]	(1 1 0)	(3 5 3)	8.429	1.282	6.58	68.7	129.4
[3 3 -8]	(1 1 0)	(2 -10 -3)	8.429	1.266	6.66	66.9	129.4
[1 1 4]	(1 1 0)	(2 10 -3)	8.429	1.266	6.66	75.0	47.4
[3 3 8]	(1 1 0)	(1 -9 3)	8.429	1.262	6.68	54.7	60.3
[3 3 -10]	(1 1 0)	(1 9 3)	8.429	1.262	6.68	89.6	134.8
[3 1 0]	(1 3 0)	(0 0 1)	5.099	5.158	.99	82.0	102.8
[3 1 2]	(1 3 0)	(1 -1 -1)	5.099	4.931	1.03	68.0	84.9
[3 -1 4]	(1 3 0)	(1 -1 -1)	5.099	4.931	1.03	85.1	67.9
[3 1 -2]	(1 3 0)	(0 2 1)	5.099	4.482	1.14	72.7	118.5
[3 -1 2]	(1 3 0)	(0 2 1)	5.099	4.482	1.14	57.4	84.9
[3 -1 6]	(1 3 0)	(2 0 -1)	5.099	4.062	1.26	69.7	54.2
[3 -1 -4]	(1 3 0)	(1 -1 1)	5.099	4.010	1.27	81.6	130.6
[3 1 -2]	(1 3 0)	(1 -1 1)	5.099	4.010	1.27	58.7	118.5
[3 -1 6]	(1 3 0)	(1 -3 -1)	5.099	3.907	1.31	64.4	54.2
[3 1 0]	(1 3 0)	(1 3 -1)	5.099	3.907	1.31	48.6	102.8

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[3 1 4]	(1 3 0)	(2 -2 -1)	5.099	3.706	1.38	48.5	67.9
[3 -1 -4]	(1 3 0)	(0 4 -1)	5.099	3.403	1.50	57.1	130.6
[3 1 -4]	(1 3 0)	(2 -2 1)	5.099	2.949	1.73	46.7	130.6
[3 1 2]	(1 3 0)	(1 1 -2)	5.099	2.641	1.93	83.3	84.9
[3 1 1]	(1 3 0)	(1 -1 -2)	5.099	2.641	1.93	82.5	93.9
[3 1 3]	(1 3 0)	(2 0 -2)	5.099	2.562	1.99	81.3	76.1
[3 -1 1]	(1 3 0)	(0 2 2)	5.099	2.480	2.06	68.6	93.9
[3 1 -1]	(1 3 0)	(0 2 2)	5.099	2.480	2.06	84.4	111.0
[3 1 0]	(1 3 0)	(1 3 -2)	5.099	2.442	2.09	69.7	102.8
[3 1 3]	(1 3 0)	(1 3 -2)	5.099	2.442	2.09	70.4	76.1
[3 -1 -2]	(1 3 0)	(1 -1 2)	5.099	2.322	2.20	81.5	118.5
[3 1 -1]	(1 3 0)	(1 -1 2)	5.099	2.322	2.20	68.7	111.0
[3 1 5]	(1 3 0)	(3 1 -2)	5.099	2.298	2.22	81.0	60.6
[3 1 4]	(1 3 0)	(3 -1 -2)	5.099	2.298	2.22	68.2	67.9
[3 1 1]	(1 3 0)	(2 -4 -2)	5.099	2.230	2.29	56.8	93.9
[3 -1 5]	(1 3 0)	(2 -4 -2)	5.099	2.230	2.29	73.4	60.6
[3 1 0]	(1 3 0)	(1 3 2)	5.099	2.183	2.34	56.9	102.8
[3 1 -3]	(1 3 0)	(1 3 2)	5.099	2.183	2.34	86.2	125.0
[3 -1 6]	(1 3 0)	(3 -3 -2)	5.099	2.163	2.36	86.9	54.2
[3 -1 3]	(1 3 0)	(3 3 -2)	5.099	2.163	2.36	56.6	76.1
[3 -1 4]	(1 3 0)	(1 -5 -2)	5.099	2.149	2.37	60.3	67.9
[3 1 -1]	(1 3 0)	(1 -5 -2)	5.099	2.149	2.37	59.6	111.0
[3 -1 -3]	(1 3 0)	(2 0 2)	5.099	2.056	2.48	70.0	125.0
[3 1 7]	(1 3 0)	(4 2 -2)	5.099	1.982	2.57	81.1	48.7
[3 1 5]	(1 3 0)	(4 -2 -2)	5.099	1.982	2.57	58.4	60.6
[3 1 -4]	(1 3 0)	(1 5 2)	5.099	1.966	2.59	76.0	130.6
[3 -1 1]	(1 3 0)	(1 5 2)	5.099	1.966	2.59	47.6	93.9
[3 1 3]	(1 3 0)	(0 6 -2)	5.099	1.961	2.60	49.2	76.1
[3 -1 -3]	(1 3 0)	(0 6 -2)	5.099	1.961	2.60	63.7	125.0
[3 1 7]	(1 3 0)	(3 5 -2)	5.099	1.952	2.61	76.7	48.7
[3 1 2]	(1 3 0)	(3 -5 -2)	5.099	1.952	2.61	47.2	84.9
[3 -1 -1]	(1 3 0)	(2 4 2)	5.099	1.872	2.72	48.7	111.0
[3 1 5]	(1 3 0)	(1 7 -2)	5.099	1.858	2.74	53.0	60.6
[3 -1 -2]	(1 3 0)	(1 7 -2)	5.099	1.858	2.74	52.3	118.5
[3 -1 -4]	(1 3 0)	(3 1 2)	5.099	1.779	2.87	61.4	130.6
[3 -1 2]	(1 3 0)	(2 0 -3)	5.099	1.770	2.88	86.8	84.9
[9 -3 2]	(1 3 0)	(1 1 -3)	5.099	1.766	2.89	87.7	96.9
[9 3 4]	(1 3 0)	(1 1 -3)	5.099	1.766	2.89	82.8	90.9
[3 -1 7]	(1 3 0)	(5 1 -2)	5.099	1.758	2.90	61.2	48.7
[9 3 8]	(1 3 0)	(2 2 -3)	5.099	1.737	2.93	83.9	79.0
[9 3 4]	(1 3 0)	(2 -2 -3)	5.099	1.737	2.93	77.4	90.9
[3 1 -3]	(1 3 0)	(3 -3 2)	5.099	1.714	2.97	51.6	125.0
[3 1 0]	(1 3 0)	(1 -3 -3)	5.099	1.702	3.00	78.7	102.8
[3 1 2]	(1 3 0)	(1 3 -3)	5.099	1.702	3.00	73.8	84.9

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[9 3 8]	(1 3 0)	(3 -1 -3)	5.099	1.701	3.00	76.8	79.0
[9 3 10]	(1 3 0)	(3 1 -3)	5.099	1.701	3.00	86.0	73.3
[3 1 7]	(1 3 0)	(2 8 -2)	5.099	1.697	3.01	57.8	48.7
[3 -1 6]	(1 3 0)	(5 3 -2)	5.099	1.695	3.01	51.5	54.2
[9 3 -2]	(1 3 0)	(0 2 3)	5.099	1.689	3.02	88.8	108.3
[9 -3 2]	(1 3 0)	(0 2 3)	5.099	1.689	3.02	72.9	96.9
[9 3 2]	(1 3 0)	(2 -4 -3)	5.099	1.649	3.09	68.9	96.9
[9 3 10]	(1 3 0)	(2 4 -3)	5.099	1.649	3.09	75.2	73.3
[9 3 -4]	(1 3 0)	(1 1 3)	5.099	1.614	3.16	81.6	113.6
[9 3 -2]	(1 3 0)	(1 -1 3)	5.099	1.614	3.16	72.8	108.3
[9 3 4]	(1 3 0)	(0 4 -3)	5.099	1.607	3.17	64.6	90.9
[9 3 -4]	(1 3 0)	(0 4 3)	5.099	1.607	3.17	80.2	113.6
[3 1 6]	(1 3 0)	(1 9 -2)	5.099	1.607	3.17	47.9	54.2
[3 1 -3]	(1 3 0)	(1 -9 -2)	5.099	1.607	3.17	47.3	125.0
[3 1 4]	(1 3 0)	(4 0 -3)	5.099	1.605	3.18	76.6	67.9
[9 3 8]	(1 3 0)	(1 5 -3)	5.099	1.593	3.20	65.8	79.0
[9 3 -2]	(1 3 0)	(1 -5 -3)	5.099	1.593	3.20	70.6	108.3
[9 3 14]	(1 3 0)	(4 2 -3)	5.099	1.580	3.23	85.4	63.0
[9 -3 10]	(1 3 0)	(4 2 -3)	5.099	1.580	3.23	68.0	73.3
[3 1 -2]	(1 3 0)	(1 3 3)	5.099	1.565	3.26	89.7	118.5
[3 1 0]	(1 3 0)	(1 3 3)	5.099	1.565	3.26	64.3	102.8
[9 -3 14]	(1 3 0)	(3 -5 -3)	5.099	1.545	3.30	77.0	63.0
[9 -3 4]	(1 3 0)	(3 5 -3)	5.099	1.545	3.30	60.2	90.9
[3 1 0]	(1 3 0)	(2 6 -3)	5.099	1.527	3.34	61.6	102.8
[3 -1 4]	(1 3 0)	(2 -6 -3)	5.099	1.527	3.34	67.7	67.9
[9 -3 16]	(1 3 0)	(4 -4 -3)	5.099	1.513	3.37	86.3	58.4
[9 -3 8]	(1 3 0)	(4 4 -3)	5.099	1.513	3.37	60.0	79.0
[3 -1 -2]	(1 3 0)	(2 0 3)	5.099	1.498	3.40	73.2	118.5
[3 -1 -2]	(1 3 0)	(0 6 -3)	5.099	1.494	3.41	72.7	118.5
[3 -1 2]	(1 3 0)	(0 6 3)	5.099	1.494	3.41	57.4	84.9
[9 -3 2]	(1 3 0)	(1 5 3)	5.099	1.479	3.45	56.8	96.9
[9 3 -8]	(1 3 0)	(1 5 3)	5.099	1.479	3.45	81.8	122.9
[9 -3 -4]	(1 3 0)	(2 2 3)	5.099	1.478	3.45	65.0	113.6
[9 -3 -8]	(1 3 0)	(2 -2 3)	5.099	1.478	3.45	81.5	122.9
[9 -3 16]	(1 3 0)	(5 -1 -3)	5.099	1.476	3.45	76.9	58.4
[9 -3 14]	(1 3 0)	(5 1 -3)	5.099	1.476	3.45	68.6	63.0
[9 -3 -4]	(1 3 0)	(1 7 -3)	5.099	1.463	3.48	63.8	113.6
[9 -3 10]	(1 3 0)	(1 -7 -3)	5.099	1.463	3.48	59.1	73.3
[3 -1 7]	(1 3 0)	(6 4 -2)	5.099	1.459	3.49	46.7	48.7
[3 -1 4]	(1 3 0)	(5 3 -3)	5.099	1.438	3.54	60.7	67.9
[3 1 6]	(1 3 0)	(5 3 -3)	5.099	1.438	3.54	85.0	54.2
[9 -3 16]	(1 3 0)	(3 -7 -3)	5.099	1.426	3.58	70.1	58.4
[9 -3 2]	(1 3 0)	(3 7 -3)	5.099	1.426	3.58	53.8	96.9
[9 -3 -2]	(1 3 0)	(2 4 3)	5.099	1.422	3.59	57.3	108.3

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[9 3 -10]	(1 3 0)	(2 4 3)	5.099	1.422	3.59	89.5	127.0
[3 -1 2]	(1 3 0)	(4 6 -3)	5.099	1.417	3.60	53.1	84.9
[3 -1 6]	(1 3 0)	(4 -6 -3)	5.099	1.417	3.60	78.9	54.2
[9 -3 14]	(1 3 0)	(2 -8 -3)	5.099	1.394	3.66	61.6	63.0
[9 -3 -2]	(1 3 0)	(2 8 -3)	5.099	1.394	3.66	55.6	108.3
[9 3 -10]	(1 3 0)	(1 7 3)	5.099	1.373	3.71	74.9	127.0
[9 3 4]	(1 3 0)	(1 -7 3)	5.099	1.373	3.71	50.5	90.9
[9 3 10]	(1 3 0)	(5 -5 -3)	5.099	1.371	3.72	53.5	73.3
[9 3 20]	(1 3 0)	(5 5 -3)	5.099	1.371	3.72	87.4	50.4
[9 3 -8]	(1 3 0)	(0 8 3)	5.099	1.369	3.72	66.4	122.9
[9 -3 8]	(1 3 0)	(0 8 3)	5.099	1.369	3.72	51.6	79.0
[9 3 -8]	(1 3 0)	(3 -1 3)	5.099	1.367	3.73	66.1	122.9
[9 3 -10]	(1 3 0)	(3 1 3)	5.099	1.367	3.73	73.9	127.0
[3 1 6]	(1 3 0)	(6 0 -3)	5.099	1.354	3.77	69.7	54.2
[3 1 0]	(1 3 0)	(2 -6 3)	5.099	1.342	3.80	50.6	102.8
[3 1 -4]	(1 3 0)	(2 6 3)	5.099	1.342	3.80	83.3	130.6
[9 3 16]	(1 3 0)	(6 -2 -3)	5.099	1.339	3.81	62.1	58.4
[9 3 20]	(1 3 0)	(6 2 -3)	5.099	1.339	3.81	77.4	50.4
[3 1 -2]	(1 3 0)	(1 -9 -3)	5.099	1.331	3.83	58.3	118.5
[3 1 4]	(1 3 0)	(1 9 -3)	5.099	1.331	3.83	53.8	67.9
[9 3 4]	(1 3 0)	(4 -8 -3)	5.099	1.309	3.89	47.4	90.9
[9 3 20]	(1 3 0)	(4 8 -3)	5.099	1.309	3.89	72.6	50.4
[3 1 0]	(1 3 0)	(3 -9 -3)	5.099	1.302	3.92	48.6	102.8
[3 1 6]	(1 3 0)	(3 9 -3)	5.099	1.302	3.92	64.4	54.2
[9 3 14]	(1 3 0)	(6 -4 -3)	5.099	1.297	3.93	54.9	63.0
[9 3 22]	(1 3 0)	(6 4 -3)	5.099	1.297	3.93	84.8	47.0
[9 3 8]	(1 3 0)	(5 -7 -3)	5.099	1.285	3.97	47.4	79.0
[9 3 22]	(1 3 0)	(5 7 -3)	5.099	1.285	3.97	80.7	47.0
[9 3 -4]	(1 3 0)	(3 -5 3)	5.099	1.282	3.98	51.8	113.6
[9 3 -14]	(1 3 0)	(3 5 3)	5.099	1.282	3.98	88.8	133.9
[9 3 -4]	(1 3 0)	(2 -10 -3)	5.099	1.266	4.03	50.9	113.6
[9 3 16]	(1 3 0)	(2 10 -3)	5.099	1.266	4.03	56.6	58.4
[3 1 2]	(1 3 0)	(1 -9 3)	5.099	1.262	4.04	45.4	84.9
[3 1 -4]	(1 3 0)	(1 9 3)	5.099	1.262	4.04	69.1	130.6
[0 1 0]	(2 0 0)	(0 0 1)	4.762	5.158	.92	75.0	90.0
[0 1 -1]	(2 0 0)	(1 -1 -1)	4.762	4.931	.97	74.3	106.4
[0 -1 2]	(2 0 0)	(0 2 1)	4.762	4.482	1.06	77.0	59.5
[0 1 0]	(2 0 0)	(2 0 -1)	4.762	4.062	1.17	49.5	90.0
[0 -1 1]	(2 0 0)	(1 1 1)	4.762	4.010	1.19	51.5	73.6
[0 1 -3]	(2 0 0)	(1 -3 -1)	4.762	3.907	1.22	77.6	131.5
[0 1 -2]	(2 0 0)	(2 -2 -1)	4.762	3.706	1.28	53.7	120.5
[0 -1 3]	(2 0 0)	(1 3 1)	4.762	3.398	1.40	58.2	48.5
[0 2 1]	(2 0 0)	(1 1 -2)	4.762	2.641	1.80	89.3	81.6

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[0 1 0]	(2 0 0)	(2 0 -2)	4.762	2.562	1.86	73.7	90.0
[0 -1 1]	(2 0 0)	(0 2 2)	4.762	2.480	1.92	75.6	73.6
[0 2 3]	(2 0 0)	(1 3 -2)	4.762	2.442	1.95	89.4	66.1
[0 -2 -1]	(2 0 0)	(1 -1 2)	4.762	2.322	2.05	61.5	98.4
[0 2 1]	(2 0 0)	(3 1 -2)	4.762	2.298	2.07	60.4	81.6
[0 1 -2]	(2 0 0)	(2 -4 -2)	4.762	2.230	2.14	75.8	120.5
[0 -2 3]	(2 0 0)	(1 3 2)	4.762	2.183	2.18	63.4	66.1
[0 2 3]	(2 0 0)	(3 3 -2)	4.762	2.163	2.20	62.3	66.1
[0 2 -5]	(2 0 0)	(1 -5 -2)	4.762	2.149	2.22	89.4	126.4
[0 1 0]	(2 0 0)	(2 0 2)	4.762	2.056	2.32	50.4	90.0
[0 1 1]	(2 0 0)	(4 2 -2)	4.762	1.982	2.40	50.7	73.6
[0 -2 5]	(2 0 0)	(1 5 2)	4.762	1.966	2.42	66.2	53.6
[0 1 3]	(2 0 0)	(0 6 -2)	4.762	1.961	2.43	78.7	48.5
[0 2 5]	(2 0 0)	(3 5 -2)	4.762	1.952	2.44	65.2	53.6
[0 -1 2]	(2 0 0)	(2 4 2)	4.762	1.872	2.54	54.5	59.5
[0 1 0]	(2 0 0)	(2 0 -3)	4.762	1.770	2.69	84.0	90.0
[0 3 -1]	(2 0 0)	(1 -1 -3)	4.762	1.766	2.70	85.4	95.6
[0 3 -2]	(2 0 0)	(2 -2 -3)	4.762	1.737	2.74	84.1	101.1
[0 1 1]	(2 0 0)	(1 3 -3)	4.762	1.702	2.80	85.6	73.6
[0 3 -1]	(2 0 0)	(3 -1 -3)	4.762	1.701	2.80	73.8	95.6
[0 -3 2]	(2 0 0)	(0 2 3)	4.762	1.689	2.82	75.3	78.9
[0 1 3]	(2 0 0)	(4 6 -2)	4.762	1.685	2.83	57.4	48.5
[0 3 -4]	(2 0 0)	(2 -4 -3)	4.762	1.649	2.89	84.4	111.5
[0 -3 1]	(2 0 0)	(1 1 3)	4.762	1.614	2.95	65.6	84.4
[0 -3 4]	(2 0 0)	(0 4 3)	4.762	1.607	2.96	76.0	68.5
[0 1 0]	(2 0 0)	(4 0 -3)	4.762	1.605	2.97	64.4	90.0
[0 -2 5]	(2 0 0)	(3 5 2)	4.762	1.603	2.97	48.2	53.6
[0 3 -5]	(2 0 0)	(1 -5 -3)	4.762	1.593	2.99	85.8	116.2
[0 2 5]	(2 0 0)	(5 5 -2)	4.762	1.587	3.00	47.6	53.6
[0 3 2]	(2 0 0)	(4 2 -3)	4.762	1.580	3.01	64.8	78.9
[0 -1 1]	(2 0 0)	(1 3 3)	4.762	1.565	3.04	66.4	73.6
[0 3 5]	(2 0 0)	(3 5 -3)	4.762	1.545	3.08	75.3	63.8
[0 1 -2]	(2 0 0)	(2 -6 -3)	4.762	1.527	3.12	84.8	120.5
[0 3 4]	(2 0 0)	(4 4 -3)	4.762	1.513	3.15	65.9	68.5
[0 1 0]	(2 0 0)	(2 0 3)	4.762	1.498	3.18	57.3	90.0
[0 -1 2]	(2 0 0)	(0 6 3)	4.762	1.494	3.19	77.0	59.5
[0 -3 5]	(2 0 0)	(1 5 3)	4.762	1.479	3.22	67.8	63.8
[0 -3 -2]	(2 0 0)	(2 -2 3)	4.762	1.478	3.22	57.8	101.1
[0 3 1]	(2 0 0)	(5 1 -3)	4.762	1.476	3.23	56.4	84.4
[0 3 -7]	(2 0 0)	(1 -7 -3)	4.762	1.463	3.25	86.2	124.5
[0 1 1]	(2 0 0)	(5 3 -3)	4.762	1.438	3.31	57.4	73.6
[0 3 7]	(2 0 0)	(3 7 -3)	4.762	1.426	3.34	76.4	55.5
[0 -3 4]	(2 0 0)	(2 4 3)	4.762	1.422	3.35	59.2	68.5
[0 1 -2]	(2 0 0)	(4 -6 -3)	4.762	1.417	3.36	67.6	120.5

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[0 3 8]	(2 0 0)	(2 8 -3)	4.762	1.394	3.42	85.2	51.8
[0 -3 -7]	(2 0 0)	(1 -7 3)	4.762	1.373	3.47	69.5	124.5
[0 3 5]	(2 0 0)	(5 5 -3)	4.762	1.371	3.47	59.1	63.8
[0 -3 8]	(2 0 0)	(0 8 3)	4.762	1.369	3.48	78.1	51.8
[0 -3 -1]	(2 0 0)	(3 -1 3)	4.762	1.367	3.48	50.5	95.6
[0 1 0]	(2 0 0)	(6 0 -3)	4.762	1.354	3.52	49.5	90.0
[0 -1 2]	(2 0 0)	(2 6 3)	4.762	1.342	3.55	61.1	59.5
[0 3 2]	(2 0 0)	(6 2 -3)	4.762	1.339	3.56	50.1	78.9
[0 1 3]	(2 0 0)	(1 9 -3)	4.762	1.331	3.58	86.5	48.5
[0 3 8]	(2 0 0)	(4 8 -3)	4.762	1.309	3.64	69.3	51.8
[0 1 3]	(2 0 0)	(3 9 -3)	4.762	1.302	3.66	77.6	48.5
[0 3 4]	(2 0 0)	(6 4 -3)	4.762	1.297	3.67	51.5	68.5
[0 3 7]	(2 0 0)	(5 7 -3)	4.762	1.285	3.70	61.2	55.5
[0 -3 5]	(2 0 0)	(3 5 3)	4.762	1.282	3.71	53.4	63.8
[0 3 10]	(2 0 0)	(2 10 -3)	4.762	1.266	3.76	85.7	45.5
[0 -1 3]	(2 0 0)	(1 9 3)	4.762	1.262	3.77	71.2	48.5
[5 1 0]	(1 5 0)	(0 0 1)	3.385	5.158	.66	84.7	104.1
[5 1 4]	(1 5 0)	(1 -1 -1)	3.385	4.931	.69	69.5	80.4
[5 -1 6]	(1 5 0)	(1 -1 -1)	3.385	4.931	.69	80.9	69.3
[5 1 -2]	(1 5 0)	(0 2 1)	3.385	4.482	.76	67.5	114.7
[5 -1 2]	(1 5 0)	(0 2 1)	3.385	4.482	.76	57.1	92.3
[5 -1 10]	(1 5 0)	(2 0 -1)	3.385	4.062	.83	76.7	51.4
[5 -1 -6]	(1 5 0)	(1 -1 1)	3.385	4.010	.84	89.2	131.3
[5 1 -4]	(1 5 0)	(1 -1 1)	3.385	4.010	.84	64.7	123.8
[5 -1 8]	(1 5 0)	(1 -3 -1)	3.385	3.907	.87	58.1	59.5
[5 -1 2]	(1 5 0)	(1 3 -1)	3.385	3.907	.87	47.1	92.3
[5 1 8]	(1 5 0)	(2 -2 -1)	3.385	3.706	.91	53.6	59.5
[5 -1 -4]	(1 5 0)	(0 4 -1)	3.385	3.403	.99	50.1	123.8
[5 -1 10]	(1 5 0)	(1 -5 -1)	3.385	2.958	1.14	45.1	51.4
[5 1 3]	(1 5 0)	(1 1 -2)	3.385	2.641	1.28	82.4	86.3
[5 1 2]	(1 5 0)	(1 -1 -2)	3.385	2.641	1.28	81.9	92.3
[5 1 5]	(1 5 0)	(2 0 -2)	3.385	2.562	1.32	84.3	74.7
[5 -1 1]	(1 5 0)	(0 2 2)	3.385	2.480	1.36	69.8	98.3
[5 1 -1]	(1 5 0)	(0 2 2)	3.385	2.480	1.36	80.4	109.6
[5 -1 1]	(1 5 0)	(1 3 -2)	3.385	2.442	1.39	67.5	98.3
[5 1 4]	(1 5 0)	(1 3 -2)	3.385	2.442	1.39	68.0	80.4
[5 -1 -3]	(1 5 0)	(1 -1 2)	3.385	2.322	1.46	87.2	119.5
[5 1 -2]	(1 5 0)	(1 -1 2)	3.385	2.322	1.46	73.2	114.7
[5 1 8]	(1 5 0)	(3 1 -2)	3.385	2.298	1.47	86.7	59.5
[5 1 7]	(1 5 0)	(3 -1 -2)	3.385	2.298	1.47	72.9	64.2
[5 1 3]	(1 5 0)	(2 -4 -2)	3.385	2.230	1.52	56.8	86.3
[5 -1 7]	(1 5 0)	(2 -4 -2)	3.385	2.230	1.52	68.1	64.2
[5 -1 -1]	(1 5 0)	(1 3 2)	3.385	2.183	1.55	60.2	109.6

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[5 1 -4]	(1 5 0)	(1 3 2)	3.385	2.183	1.55	79.7	123.8
[5 -1 9]	(1 5 0)	(3 -3 -2)	3.385	2.163	1.57	80.2	55.3
[5 -1 6]	(1 5 0)	(3 3 -2)	3.385	2.163	1.57	60.0	69.3
[5 -1 5]	(1 5 0)	(1 -5 -2)	3.385	2.149	1.58	56.6	74.7
[5 1 0]	(1 5 0)	(1 -5 -2)	3.385	2.149	1.58	56.1	104.1
[5 -1 -5]	(1 5 0)	(2 0 2)	3.385	2.056	1.65	76.9	127.8
[5 1 11]	(1 5 0)	(4 2 -2)	3.385	1.982	1.71	88.8	47.9
[5 1 9]	(1 5 0)	(4 -2 -2)	3.385	1.982	1.71	64.6	55.3
[5 1 -5]	(1 5 0)	(1 5 2)	3.385	1.966	1.72	68.7	127.8
[5 1 0]	(1 5 0)	(1 5 2)	3.385	1.966	1.72	49.4	104.1
[5 1 3]	(1 5 0)	(0 6 -2)	3.385	1.961	1.73	47.4	86.3
[5 -1 -3]	(1 5 0)	(0 6 -2)	3.385	1.961	1.73	57.5	119.5
[5 1 10]	(1 5 0)	(3 5 -2)	3.385	1.952	1.73	69.2	51.4
[5 1 5]	(1 5 0)	(3 -5 -2)	3.385	1.952	1.73	49.3	74.7
[5 1 -7]	(1 5 0)	(2 4 2)	3.385	1.872	1.81	79.6	134.5
[5 -1 -3]	(1 5 0)	(2 4 2)	3.385	1.872	1.81	53.6	119.5
[5 1 6]	(1 5 0)	(1 7 -2)	3.385	1.858	1.82	48.1	69.3
[5 -1 -1]	(1 5 0)	(1 7 -2)	3.385	1.858	1.82	47.6	109.6
[5 -1 -7]	(1 5 0)	(3 1 2)	3.385	1.779	1.90	69.2	134.5
[15 -3 10]	(1 5 0)	(2 0 -3)	3.385	1.770	1.91	87.9	84.4
[15 -3 4]	(1 5 0)	(1 1 -3)	3.385	1.766	1.92	86.4	96.3
[5 1 2]	(1 5 0)	(1 1 -3)	3.385	1.766	1.92	83.1	92.3
[5 1 4]	(1 5 0)	(2 2 -3)	3.385	1.737	1.95	81.8	80.4
[15 3 8]	(1 5 0)	(2 -2 -3)	3.385	1.737	1.95	77.5	88.3
[5 -1 -6]	(1 5 0)	(1 -7 2)	3.385	1.736	1.95	60.0	131.3
[5 1 11]	(1 5 0)	(3 7 -2)	3.385	1.726	1.96	60.5	47.9
[5 1 -6]	(1 5 0)	(3 -3 2)	3.385	1.714	1.97	58.8	131.3
[15 3 2]	(1 5 0)	(1 -3 -3)	3.385	1.702	1.99	76.3	100.2
[15 3 8]	(1 5 0)	(1 3 -3)	3.385	1.702	1.99	73.1	88.3
[15 3 14]	(1 5 0)	(3 -1 -3)	3.385	1.701	1.99	79.2	76.6
[15 3 16]	(1 5 0)	(3 1 -3)	3.385	1.701	1.99	89.3	72.9
[5 1 9]	(1 5 0)	(2 8 -2)	3.385	1.697	2.00	50.6	55.3
[5 -1 11]	(1 5 0)	(5 3 -2)	3.385	1.695	2.00	58.8	47.9
[15 3 -2]	(1 5 0)	(0 2 3)	3.385	1.689	2.00	85.2	107.8
[15 -3 2]	(1 5 0)	(0 2 3)	3.385	1.689	2.00	74.6	100.2
[5 1 2]	(1 5 0)	(2 -4 -3)	3.385	1.649	2.05	68.0	92.3
[15 3 14]	(1 5 0)	(2 4 -3)	3.385	1.649	2.05	72.2	76.6
[5 1 -2]	(1 5 0)	(1 1 3)	3.385	1.614	2.10	86.4	114.7
[15 3 -4]	(1 5 0)	(1 -1 3)	3.385	1.614	2.10	76.7	111.3
[15 3 4]	(1 5 0)	(0 4 -3)	3.385	1.607	2.11	65.3	96.3
[15 3 -4]	(1 5 0)	(0 4 3)	3.385	1.607	2.11	75.8	111.3
[15 3 20]	(1 5 0)	(4 0 -3)	3.385	1.605	2.11	81.2	65.9
[5 -1 -5]	(1 5 0)	(3 5 2)	3.385	1.603	2.11	49.4	127.8
[15 3 10]	(1 5 0)	(1 5 -3)	3.385	1.593	2.12	64.1	84.4

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[5 1 0]	(1 5 0)	(1 -5 -3)	3.385	1.593	2.12	67.3	104.1
[5 1 10]	(1 5 0)	(5 -5 -2)	3.385	1.587	2.13	49.5	51.4
[15 3 22]	(1 5 0)	(4 2 -3)	3.385	1.580	2.14	89.3	62.6
[5 -1 6]	(1 5 0)	(4 2 -3)	3.385	1.580	2.14	71.7	69.3
[15 3 -8]	(1 5 0)	(1 3 3)	3.385	1.565	2.16	84.3	117.9
[15 -3 -2]	(1 5 0)	(1 3 3)	3.385	1.565	2.16	67.4	107.8
[15 -3 20]	(1 5 0)	(3 -5 -3)	3.385	1.545	2.19	72.0	65.9
[15 -3 10]	(1 5 0)	(3 5 -3)	3.385	1.545	2.19	60.7	84.4
[15 -3 4]	(1 5 0)	(2 6 -3)	3.385	1.527	2.22	59.7	96.3
[15 -3 16]	(1 5 0)	(2 -6 -3)	3.385	1.527	2.22	63.9	72.9
[5 -1 -7]	(1 5 0)	(1 -9 2)	3.385	1.526	2.22	53.3	134.5
[5 -1 8]	(1 5 0)	(4 -4 -3)	3.385	1.513	2.24	80.4	59.5
[15 -3 16]	(1 5 0)	(4 4 -3)	3.385	1.513	2.24	62.8	72.9
[15 -3 -10]	(1 5 0)	(2 0 3)	3.385	1.498	2.26	78.9	121.0
[5 -1 -2]	(1 5 0)	(0 6 -3)	3.385	1.494	2.27	67.5	114.7
[5 -1 2]	(1 5 0)	(0 6 3)	3.385	1.494	2.27	57.1	92.3
[5 1 0]	(1 5 0)	(1 5 3)	3.385	1.479	2.29	58.9	104.1
[15 3 -10]	(1 5 0)	(1 5 3)	3.385	1.479	2.29	75.7	121.0
[15 -3 -8]	(1 5 0)	(2 2 3)	3.385	1.478	2.29	70.0	117.9
[5 -1 -4]	(1 5 0)	(2 -2 3)	3.385	1.478	2.29	87.9	123.8
[15 -3 26]	(1 5 0)	(5 -1 -3)	3.385	1.476	2.29	83.1	56.7
[5 -1 8]	(1 5 0)	(5 1 -3)	3.385	1.476	2.29	74.2	59.5
[15 -3 -2]	(1 5 0)	(1 7 -3)	3.385	1.463	2.31	59.7	107.8
[5 -1 4]	(1 5 0)	(1 -7 -3)	3.385	1.463	2.31	56.5	80.4
[15 -3 22]	(1 5 0)	(5 3 -3)	3.385	1.438	2.35	65.5	62.6
[15 3 28]	(1 5 0)	(5 3 -3)	3.385	1.438	2.35	88.2	54.0
[15 -3 22]	(1 5 0)	(3 -7 -3)	3.385	1.426	2.37	64.4	62.6
[15 -3 8]	(1 5 0)	(3 7 -3)	3.385	1.426	2.37	53.2	88.3
[5 -1 -2]	(1 5 0)	(2 4 3)	3.385	1.422	2.38	61.6	114.7
[15 3 -14]	(1 5 0)	(2 4 3)	3.385	1.422	2.38	83.6	126.5
[15 -3 14]	(1 5 0)	(4 6 -3)	3.385	1.417	2.39	54.9	76.6
[15 -3 26]	(1 5 0)	(4 -6 -3)	3.385	1.417	2.39	72.4	56.7
[5 -1 6]	(1 5 0)	(2 -8 -3)	3.385	1.394	2.43	56.9	69.3
[15 -3 2]	(1 5 0)	(2 8 -3)	3.385	1.394	2.43	52.8	100.2
[5 -1 -7]	(1 5 0)	(4 6 2)	3.385	1.386	2.44	46.7	134.5
[5 1 -4]	(1 5 0)	(1 7 3)	3.385	1.373	2.47	68.2	123.8
[15 3 2]	(1 5 0)	(1 -7 3)	3.385	1.373	2.47	51.6	100.2
[15 3 20]	(1 5 0)	(5 -5 -3)	3.385	1.371	2.47	57.6	65.9
[5 1 10]	(1 5 0)	(5 5 -3)	3.385	1.371	2.47	80.1	51.4
[15 3 -8]	(1 5 0)	(0 8 3)	3.385	1.369	2.47	60.5	117.9
[15 -3 8]	(1 5 0)	(0 8 3)	3.385	1.369	2.47	50.3	88.3
[15 3 -14]	(1 5 0)	(3 -1 3)	3.385	1.367	2.48	72.7	126.5
[15 3 -16]	(1 5 0)	(3 1 3)	3.385	1.367	2.48	81.0	129.0
[5 1 10]	(1 5 0)	(6 0 -3)	3.385	1.354	2.50	76.7	51.4

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[15 3 -4]	(1 5 0)	(2 -6 3)	3.385	1.342	2.52	54.0	111.3
[15 3 -16]	(1 5 0)	(2 6 3)	3.385	1.342	2.52	75.9	129.0
[15 3 28]	(1 5 0)	(6 -2 -3)	3.385	1.339	2.53	68.5	54.0
[15 3 32]	(1 5 0)	(6 2 -3)	3.385	1.339	2.53	84.8	49.1
[15 3 -4]	(1 5 0)	(1 -9 -3)	3.385	1.331	2.54	53.4	111.3
[15 3 14]	(1 5 0)	(1 9 -3)	3.385	1.331	2.54	50.2	76.6
[5 1 4]	(1 5 0)	(4 -8 -3)	3.385	1.309	2.59	48.2	80.4
[15 3 28]	(1 5 0)	(4 8 -3)	3.385	1.309	2.59	65.5	54.0
[5 1 2]	(1 5 0)	(3 -9 -3)	3.385	1.302	2.60	47.1	92.3
[5 1 8]	(1 5 0)	(3 9 -3)	3.385	1.302	2.60	58.1	59.5
[15 3 26]	(1 5 0)	(6 -4 -3)	3.385	1.297	2.61	60.7	56.7
[15 3 34]	(1 5 0)	(6 4 -3)	3.385	1.297	2.61	87.3	46.8
[5 1 6]	(1 5 0)	(5 -7 -3)	3.385	1.285	2.63	50.5	69.3
[15 3 32]	(1 5 0)	(5 7 -3)	3.385	1.285	2.63	72.9	49.1
[15 3 -10]	(1 5 0)	(3 -5 3)	3.385	1.282	2.64	57.1	121.0
[15 3 -20]	(1 5 0)	(3 5 3)	3.385	1.282	2.64	83.2	133.5
[5 1 0]	(1 5 0)	(2 -10 -3)	3.385	1.266	2.67	47.1	104.1
[15 3 20]	(1 5 0)	(2 10 -3)	3.385	1.266	2.67	51.2	65.9
[15 3 4]	(1 5 0)	(1 -9 3)	3.385	1.262	2.68	45.5	96.3
[15 3 -14]	(1 5 0)	(1 9 3)	3.385	1.262	2.68	61.9	126.5
[2 1 0]	(2 4 0)	(0 0 1)	3.281	5.158	.64	79.7	101.0
[2 1 1]	(2 4 0)	(1 -1 -1)	3.281	4.931	.67	67.4	89.5
[2 -1 3]	(2 4 0)	(1 -1 -1)	3.281	4.931	.67	89.4	67.4
[2 1 -2]	(2 4 0)	(0 2 1)	3.281	4.482	.73	78.2	121.0
[2 -1 2]	(2 4 0)	(0 2 1)	3.281	4.482	.73	59.1	78.0
[2 -1 4]	(2 4 0)	(2 0 -1)	3.281	4.062	.81	63.4	58.3
[2 -1 -3]	(2 4 0)	(1 -1 1)	3.281	4.010	.82	74.4	128.8
[2 1 -1]	(2 4 0)	(1 -1 1)	3.281	4.010	.82	53.9	111.7
[2 -1 5]	(2 4 0)	(1 -3 -1)	3.281	3.907	.84	71.2	50.6
[2 -1 -1]	(2 4 0)	(1 3 -1)	3.281	3.907	.84	51.9	111.7
[2 1 2]	(2 4 0)	(2 -2 -1)	3.281	3.706	.89	45.2	78.0
[2 1 4]	(2 4 0)	(0 4 -1)	3.281	3.403	.96	48.5	58.3
[2 1 5]	(2 4 0)	(3 -1 -1)	3.281	3.039	1.08	47.4	50.6
[2 -1 -3]	(2 4 0)	(1 5 -1)	3.281	2.958	1.11	45.3	128.8
[4 2 3]	(2 4 0)	(1 1 -2)	3.281	2.641	1.24	84.4	83.7
[4 2 1]	(2 4 0)	(1 -1 -2)	3.281	2.641	1.24	83.4	95.3
[2 1 2]	(2 4 0)	(2 0 -2)	3.281	2.562	1.28	78.8	78.0
[2 -1 1]	(2 4 0)	(0 2 2)	3.281	2.480	1.32	68.3	89.5
[2 1 -1]	(2 4 0)	(0 2 2)	3.281	2.480	1.32	88.5	111.7
[4 -2 -1]	(2 4 0)	(1 3 -2)	3.281	2.442	1.34	72.5	106.5
[4 2 5]	(2 4 0)	(1 3 -2)	3.281	2.442	1.34	73.4	72.6
[4 -2 -3]	(2 4 0)	(1 -1 2)	3.281	2.322	1.41	76.4	116.5
[4 2 -1]	(2 4 0)	(1 -1 2)	3.281	2.322	1.41	65.1	106.5

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[4 2 7]	(2 4 0)	(3 1 -2)	3.281	2.298	1.43	75.6	62.7
[4 2 5]	(2 4 0)	(3 -1 -2)	3.281	2.298	1.43	64.4	72.6
[2 1 0]	(2 4 0)	(2 -4 -2)	3.281	2.230	1.47	58.3	101.0
[2 -1 4]	(2 4 0)	(2 -4 -2)	3.281	2.230	1.47	79.1	58.3
[4 -2 1]	(2 4 0)	(1 3 2)	3.281	2.183	1.50	55.2	95.3
[4 2 -5]	(2 4 0)	(1 3 2)	3.281	2.183	1.50	87.3	125.1
[4 -2 9]	(2 4 0)	(3 -3 -2)	3.281	2.163	1.52	86.5	54.2
[4 -2 3]	(2 4 0)	(3 3 -2)	3.281	2.163	1.52	54.6	83.7
[4 -2 7]	(2 4 0)	(1 -5 -2)	3.281	2.149	1.53	65.0	62.7
[4 2 -3]	(2 4 0)	(1 -5 -2)	3.281	2.149	1.53	64.1	116.5
[2 -1 -2]	(2 4 0)	(2 0 2)	3.281	2.056	1.60	63.9	121.0
[2 1 5]	(2 4 0)	(4 2 -2)	3.281	1.982	1.66	73.9	50.6
[2 1 3]	(2 4 0)	(4 -2 -2)	3.281	1.982	1.66	53.5	67.4
[4 2 -7]	(2 4 0)	(1 5 2)	3.281	1.966	1.67	83.4	132.2
[4 -2 3]	(2 4 0)	(1 5 2)	3.281	1.966	1.67	47.8	83.7
[2 1 3]	(2 4 0)	(0 6 -2)	3.281	1.961	1.67	52.7	67.4
[2 -1 -3]	(2 4 0)	(0 6 -2)	3.281	1.961	1.67	70.4	128.8
[4 2 11]	(2 4 0)	(3 5 -2)	3.281	1.952	1.68	84.2	47.3
[4 2 1]	(2 4 0)	(3 -5 -2)	3.281	1.952	1.68	47.2	95.3
[2 1 0]	(2 4 0)	(2 4 2)	3.281	1.872	1.75	45.6	101.0
[4 2 9]	(2 4 0)	(1 7 -2)	3.281	1.858	1.77	59.0	54.2
[4 -2 -5]	(2 4 0)	(1 7 -2)	3.281	1.858	1.77	58.2	125.1
[4 -2 -5]	(2 4 0)	(3 1 2)	3.281	1.779	1.84	54.5	125.1
[4 -2 -7]	(2 4 0)	(3 -1 2)	3.281	1.779	1.84	64.0	132.2
[6 -3 4]	(2 4 0)	(2 0 -3)	3.281	1.770	1.85	85.8	85.6
[6 -3 1]	(2 4 0)	(1 1 -3)	3.281	1.766	1.86	89.1	97.2
[2 1 1]	(2 4 0)	(1 1 -3)	3.281	1.766	1.86	82.8	89.5
[4 -2 9]	(2 4 0)	(5 1 -2)	3.281	1.758	1.87	54.2	54.2
[4 2 11]	(2 4 0)	(5 1 -2)	3.281	1.758	1.87	63.6	47.3
[2 1 2]	(2 4 0)	(2 2 -3)	3.281	1.737	1.89	86.1	78.0
[6 3 2]	(2 4 0)	(2 -2 -3)	3.281	1.737	1.89	77.9	93.4
[4 2 -3]	(2 4 0)	(3 -3 2)	3.281	1.714	1.91	45.9	116.5
[6 3 -1]	(2 4 0)	(1 -3 -3)	3.281	1.702	1.93	81.3	104.7
[6 3 5]	(2 4 0)	(1 3 -3)	3.281	1.702	1.93	75.1	81.8
[6 3 5]	(2 4 0)	(3 -1 -3)	3.281	1.701	1.93	74.9	81.8
[6 3 7]	(2 4 0)	(3 1 -3)	3.281	1.701	1.93	82.8	74.4
[2 1 -2]	(2 4 0)	(2 -8 -2)	3.281	1.697	1.93	47.8	121.0
[4 -2 7]	(2 4 0)	(5 3 -2)	3.281	1.695	1.94	45.6	62.7
[6 3 -2]	(2 4 0)	(0 2 3)	3.281	1.689	1.94	87.7	108.2
[6 -3 2]	(2 4 0)	(0 2 3)	3.281	1.689	1.94	71.9	93.4
[2 1 0]	(2 4 0)	(2 -4 -3)	3.281	1.649	1.99	70.6	101.0
[6 3 8]	(2 4 0)	(2 4 -3)	3.281	1.649	1.99	78.7	70.8
[2 1 -1]	(2 4 0)	(1 1 3)	3.281	1.614	2.03	77.3	111.7
[6 3 -1]	(2 4 0)	(1 -1 3)	3.281	1.614	2.03	69.6	104.7

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[6 3 4]	(2 4 0)	(0 4 -3)	3.281	1.607	2.04	64.9	85.6
[6 3 -4]	(2 4 0)	(0 4 3)	3.281	1.607	2.04	84.8	114.9
[4 2 11]	(2 4 0)	(1 9 -2)	3.281	1.607	2.04	55.0	47.3
[4 2 -7]	(2 4 0)	(1 -9 -2)	3.281	1.607	2.04	54.3	132.2
[6 3 8]	(2 4 0)	(4 0 -3)	3.281	1.605	2.04	72.7	70.8
[6 3 7]	(2 4 0)	(1 5 -3)	3.281	1.593	2.06	68.4	74.4
[2 1 -1]	(2 4 0)	(1 -5 -3)	3.281	1.593	2.06	74.4	111.7
[6 3 10]	(2 4 0)	(4 2 -3)	3.281	1.580	2.08	80.4	64.2
[2 -1 2]	(2 4 0)	(4 2 -3)	3.281	1.580	2.08	65.2	78.0
[6 3 -5]	(2 4 0)	(1 3 3)	3.281	1.565	2.10	85.0	118.0
[6 -3 1]	(2 4 0)	(1 3 3)	3.281	1.565	2.10	62.4	97.2
[6 -3 11]	(2 4 0)	(3 -5 -3)	3.281	1.545	2.12	82.3	61.2
[6 -3 1]	(2 4 0)	(3 5 -3)	3.281	1.545	2.12	61.0	97.2
[2 -1 -3]	(2 4 0)	(4 2 2)	3.281	1.537	2.13	47.6	128.8
[6 -3 -2]	(2 4 0)	(2 6 -3)	3.281	1.527	2.15	64.6	108.2
[6 -3 10]	(2 4 0)	(2 -6 -3)	3.281	1.527	2.15	72.3	64.2
[2 -1 4]	(2 4 0)	(4 -4 -3)	3.281	1.513	2.17	87.8	58.3
[6 -3 4]	(2 4 0)	(4 4 -3)	3.281	1.513	2.17	58.5	85.6
[6 -3 -4]	(2 4 0)	(2 0 3)	3.281	1.498	2.19	68.2	114.9
[2 -1 -2]	(2 4 0)	(0 6 -3)	3.281	1.494	2.20	78.2	121.0
[2 -1 2]	(2 4 0)	(0 6 3)	3.281	1.494	2.20	59.1	78.0
[2 -1 5]	(2 4 0)	(0 10 2)	3.281	1.482	2.21	45.9	50.6
[2 -1 1]	(2 4 0)	(1 5 3)	3.281	1.479	2.22	56.2	89.5
[6 3 -7]	(2 4 0)	(1 5 3)	3.281	1.479	2.22	88.0	123.8
[6 -3 -2]	(2 4 0)	(2 2 3)	3.281	1.478	2.22	61.0	108.2
[2 -1 -2]	(2 4 0)	(2 -2 3)	3.281	1.478	2.22	75.6	121.0
[6 -3 11]	(2 4 0)	(5 -1 -3)	3.281	1.476	2.22	71.2	61.2
[2 -1 3]	(2 4 0)	(5 1 -3)	3.281	1.476	2.22	63.9	67.4
[6 -3 -5]	(2 4 0)	(1 7 -3)	3.281	1.463	2.24	68.7	118.0
[2 -1 3]	(2 4 0)	(1 -7 -3)	3.281	1.463	2.24	62.9	67.4
[6 -3 7]	(2 4 0)	(5 3 -3)	3.281	1.438	2.28	57.1	74.4
[6 3 13]	(2 4 0)	(5 3 -3)	3.281	1.438	2.28	78.6	55.5
[6 -3 13]	(2 4 0)	(3 -7 -3)	3.281	1.426	2.30	76.2	55.5
[6 -3 -1]	(2 4 0)	(3 7 -3)	3.281	1.426	2.30	55.9	104.7
[2 1 0]	(2 4 0)	(2 4 3)	3.281	1.422	2.31	54.5	101.0
[6 3 -8]	(2 4 0)	(2 4 3)	3.281	1.422	2.31	82.8	126.4
[6 -3 2]	(2 4 0)	(4 6 -3)	3.281	1.417	2.32	52.9	93.4
[6 -3 14]	(2 4 0)	(4 -6 -3)	3.281	1.417	2.32	85.6	53.0
[2 -1 4]	(2 4 0)	(2 -8 -3)	3.281	1.394	2.35	67.1	58.3
[6 -3 -4]	(2 4 0)	(2 8 -3)	3.281	1.394	2.35	59.8	114.9
[2 1 -3]	(2 4 0)	(1 7 3)	3.281	1.373	2.39	81.8	128.8
[6 3 5]	(2 4 0)	(1 -7 3)	3.281	1.373	2.39	51.2	81.8
[6 3 5]	(2 4 0)	(5 -5 -3)	3.281	1.371	2.39	51.1	81.8
[2 1 5]	(2 4 0)	(5 5 -3)	3.281	1.371	2.39	85.4	50.6

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[6 3 -8]	(2 4 0)	(0 8 3)	3.281	1.369	2.40	72.8	126.4
[6 -3 8]	(2 4 0)	(0 8 3)	3.281	1.369	2.40	54.5	70.8
[6 3 -5]	(2 4 0)	(3 -1 3)	3.281	1.367	2.40	60.5	118.0
[6 3 -7]	(2 4 0)	(3 1 3)	3.281	1.367	2.40	67.4	123.8
[2 1 4]	(2 4 0)	(6 0 -3)	3.281	1.354	2.42	63.4	58.3
[6 3 2]	(2 4 0)	(2 -6 3)	3.281	1.342	2.45	49.0	93.4
[6 3 -10]	(2 4 0)	(2 6 3)	3.281	1.342	2.45	89.4	131.1
[6 3 10]	(2 4 0)	(6 -2 -3)	3.281	1.339	2.45	56.7	64.2
[6 3 14]	(2 4 0)	(6 2 -3)	3.281	1.339	2.45	70.4	53.0
[6 3 -7]	(2 4 0)	(1 -9 -3)	3.281	1.331	2.47	64.1	123.8
[6 3 11]	(2 4 0)	(1 9 -3)	3.281	1.331	2.47	58.6	61.2
[2 1 0]	(2 4 0)	(4 -8 -3)	3.281	1.309	2.51	48.5	101.0
[6 3 16]	(2 4 0)	(4 8 -3)	3.281	1.309	2.51	79.9	48.4
[2 1 -1]	(2 4 0)	(3 -9 -3)	3.281	1.302	2.52	51.9	111.7
[2 1 5]	(2 4 0)	(3 9 -3)	3.281	1.302	2.52	71.2	50.6
[6 3 8]	(2 4 0)	(6 -4 -3)	3.281	1.297	2.53	50.5	70.8
[6 3 16]	(2 4 0)	(6 4 -3)	3.281	1.297	2.53	77.2	48.4
[2 1 1]	(2 4 0)	(5 -7 -3)	3.281	1.285	2.55	46.2	89.5
[6 3 17]	(2 4 0)	(5 7 -3)	3.281	1.285	2.55	88.4	46.3
[6 3 -1]	(2 4 0)	(3 -5 3)	3.281	1.282	2.56	48.1	104.7
[6 3 -11]	(2 4 0)	(3 5 3)	3.281	1.282	2.56	81.1	133.2
[2 1 -2]	(2 4 0)	(2 -10 -3)	3.281	1.266	2.59	56.1	121.0
[6 3 14]	(2 4 0)	(2 10 -3)	3.281	1.266	2.59	63.0	53.0
[6 3 7]	(2 4 0)	(1 -9 3)	3.281	1.262	2.60	47.4	74.4
[6 3 -11]	(2 4 0)	(1 9 3)	3.281	1.262	2.60	76.6	133.2
[1 -3 0]	(3 1 0)	(0 0 1)	3.127	5.158	.61	75.2	92.6
[1 3 -2]	(3 1 0)	(1 -1 -1)	3.127	4.931	.63	71.7	103.5
[1 -3 4]	(3 1 0)	(1 -1 -1)	3.127	4.931	.63	77.3	71.2
[1 3 -6]	(3 1 0)	(0 2 1)	3.127	4.482	.70	82.2	122.1
[1 -3 6]	(3 1 0)	(0 2 1)	3.127	4.482	.70	72.1	61.9
[1 -3 2]	(3 1 0)	(2 0 -1)	3.127	4.062	.77	50.3	81.6
[1 -3 -4]	(3 1 0)	(1 -1 1)	3.127	4.010	.78	54.9	113.4
[1 3 2]	(3 1 0)	(1 -1 1)	3.127	4.010	.78	49.4	81.6
[1 -3 10]	(3 1 0)	(1 -3 -1)	3.127	3.907	.80	84.3	47.3
[1 -3 -8]	(3 1 0)	(1 3 -1)	3.127	3.907	.80	71.2	129.4
[1 3 8]	(3 1 0)	(2 2 -1)	3.127	3.706	.84	59.2	53.9
[1 3 -4]	(3 1 0)	(2 -2 -1)	3.127	3.706	.84	49.2	113.4
[1 -3 8]	(3 1 0)	(1 3 1)	3.127	3.398	.92	51.9	53.9
[1 -3 -8]	(3 1 0)	(2 -2 1)	3.127	2.949	1.06	45.6	129.4
[1 3 2]	(3 1 0)	(1 1 -2)	3.127	2.641	1.18	89.2	81.6
[1 3 -1]	(3 1 0)	(1 -1 -2)	3.127	2.641	1.18	87.9	98.1
[1 3 1]	(3 1 0)	(2 0 -2)	3.127	2.562	1.22	73.9	87.1
[1 -3 3]	(3 1 0)	(0 2 2)	3.127	2.480	1.26	73.0	76.3

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d(hk0)	d(hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 3 -3]	(3 1 0)	(0 2 2)	3.127	2.480	1.26	78.6	108.6
[1 -3 -4]	(3 1 0)	(1 3 -2)	3.127	2.442	1.28	85.4	113.4
[1 3 5]	(3 1 0)	(1 3 -2)	3.127	2.442	1.28	86.6	66.4
[1 -3 -2]	(3 1 0)	(1 -1 2)	3.127	2.322	1.35	63.4	103.5
[1 3 1]	(3 1 0)	(1 -1 2)	3.127	2.322	1.35	60.5	87.1
[1 3 3]	(3 1 0)	(3 1 -2)	3.127	2.298	1.36	62.4	76.3
[1 3 0]	(3 1 0)	(3 -1 -2)	3.127	2.298	1.36	59.5	92.6
[1 3 -5]	(3 1 0)	(2 -4 -2)	3.127	2.230	1.40	71.0	117.9
[1 -3 7]	(3 1 0)	(2 -4 -2)	3.127	2.230	1.40	81.0	57.7
[1 -3 4]	(3 1 0)	(1 3 2)	3.127	2.183	1.43	59.7	71.2
[1 3 -5]	(3 1 0)	(1 3 2)	3.127	2.183	1.43	67.7	117.9
[1 -3 6]	(3 1 0)	(3 -3 -2)	3.127	2.163	1.45	66.7	61.9
[1 -3 -3]	(3 1 0)	(3 3 -2)	3.127	2.163	1.45	58.7	108.6
[1 -3 8]	(3 1 0)	(1 -5 -2)	3.127	2.149	1.46	84.7	53.9
[1 3 -7]	(3 1 0)	(1 -5 -2)	3.127	2.149	1.46	83.6	125.9
[1 -3 -1]	(3 1 0)	(2 0 2)	3.127	2.056	1.52	51.1	98.1
[1 3 5]	(3 1 0)	(4 2 -2)	3.127	1.982	1.58	54.1	66.4
[1 3 -1]	(3 1 0)	(4 -2 -2)	3.127	1.982	1.58	48.6	98.1
[1 3 -8]	(3 1 0)	(1 5 2)	3.127	1.966	1.59	72.3	129.4
[1 -3 7]	(3 1 0)	(1 5 2)	3.127	1.966	1.59	60.6	57.7
[1 3 9]	(3 1 0)	(0 6 -2)	3.127	1.961	1.59	72.2	50.5
[1 -3 -9]	(3 1 0)	(0 6 -2)	3.127	1.961	1.59	85.3	132.5
[1 3 9]	(3 1 0)	(3 5 -2)	3.127	1.952	1.60	71.4	50.5
[1 3 -6]	(3 1 0)	(3 -5 -2)	3.127	1.952	1.60	59.6	122.1
[1 3 -7]	(3 1 0)	(2 4 2)	3.127	1.872	1.67	59.9	125.9
[1 -3 5]	(3 1 0)	(2 4 2)	3.127	1.872	1.67	49.9	66.4
[3 -9 2]	(3 1 0)	(2 0 -3)	3.127	1.770	1.77	84.0	89.0
[3 -9 -2]	(3 1 0)	(1 1 -3)	3.127	1.766	1.77	86.4	96.3
[3 9 4]	(3 1 0)	(1 1 -3)	3.127	1.766	1.77	84.5	85.3
[3 9 8]	(3 1 0)	(2 2 -3)	3.127	1.737	1.80	86.1	78.0
[3 9 -4]	(3 1 0)	(2 -2 -3)	3.127	1.737	1.80	82.2	99.9
[1 -3 10]	(3 1 0)	(1 7 2)	3.127	1.736	1.80	62.2	47.3
[1 3 -9]	(3 1 0)	(3 -7 -2)	3.127	1.726	1.81	61.3	132.5
[1 3 -6]	(3 1 0)	(3 3 2)	3.127	1.714	1.82	49.3	122.1
[3 9 -8]	(3 1 0)	(1 -3 -3)	3.127	1.702	1.84	88.4	106.9
[3 9 10]	(3 1 0)	(1 3 -3)	3.127	1.702	1.84	82.8	74.5
[1 3 0]	(3 1 0)	(3 -1 -3)	3.127	1.701	1.84	73.0	92.6
[1 3 2]	(3 1 0)	(3 1 -3)	3.127	1.701	1.84	75.0	81.6
[1 3 7]	(3 1 0)	(5 3 -2)	3.127	1.695	1.84	48.7	57.7
[1 3 -2]	(3 1 0)	(0 2 3)	3.127	1.689	1.85	77.4	103.5
[1 -3 2]	(3 1 0)	(0 2 3)	3.127	1.689	1.85	73.6	81.6
[1 3 -7]	(3 1 0)	(4 -6 -2)	3.127	1.685	1.86	51.2	125.9
[3 9 -10]	(3 1 0)	(2 -4 -3)	3.127	1.649	1.90	80.8	110.3
[3 9 14]	(3 1 0)	(2 4 -3)	3.127	1.649	1.90	88.1	67.9

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[3 9 -4]	(3 1 0)	(1 1 3)	3.127	1.614	1.94	67.0	99.9
[3 9 2]	(3 1 0)	(1 -1 3)	3.127	1.614	1.94	65.1	89.0
[1 3 4]	(3 1 0)	(0 4 -3)	3.127	1.607	1.95	72.6	71.2
[1 3 -4]	(3 1 0)	(0 4 3)	3.127	1.607	1.95	79.8	113.4
[3 9 4]	(3 1 0)	(4 0 -3)	3.127	1.605	1.95	64.8	85.3
[1 3 -9]	(3 1 0)	(3 5 2)	3.127	1.603	1.95	54.6	132.5
[3 9 16]	(3 1 0)	(1 5 -3)	3.127	1.593	1.96	81.5	64.8
[3 9 -14]	(3 1 0)	(1 -5 -3)	3.127	1.593	1.96	89.7	116.5
[1 3 10]	(3 1 0)	(5 5 -2)	3.127	1.587	1.97	54.0	47.3
[3 9 10]	(3 1 0)	(4 2 -3)	3.127	1.580	1.98	67.1	74.5
[3 -9 -2]	(3 1 0)	(4 2 -3)	3.127	1.580	1.98	63.3	96.3
[3 9 -10]	(3 1 0)	(1 3 3)	3.127	1.565	2.00	69.6	110.3
[3 -9 8]	(3 1 0)	(1 3 3)	3.127	1.565	2.00	64.0	78.0
[1 -3 6]	(3 1 0)	(3 -5 -3)	3.127	1.545	2.02	79.8	61.9
[1 -3 -4]	(3 1 0)	(3 5 -3)	3.127	1.545	2.02	71.1	113.4
[3 -9 -16]	(3 1 0)	(2 6 -3)	3.127	1.527	2.05	79.8	119.4
[3 -9 20]	(3 1 0)	(2 -6 -3)	3.127	1.527	2.05	89.9	59.1
[3 -9 16]	(3 1 0)	(4 -4 -3)	3.127	1.513	2.07	69.9	64.8
[3 -9 -8]	(3 1 0)	(4 4 -3)	3.127	1.513	2.07	62.7	106.9
[3 -9 -2]	(3 1 0)	(2 0 3)	3.127	1.498	2.09	57.9	96.3
[1 -3 -6]	(3 1 0)	(0 6 -3)	3.127	1.494	2.09	82.2	122.1
[1 -3 6]	(3 1 0)	(0 6 3)	3.127	1.494	2.09	72.1	61.9
[3 -9 14]	(3 1 0)	(1 5 3)	3.127	1.479	2.11	63.7	67.9
[3 9 -16]	(3 1 0)	(1 5 3)	3.127	1.479	2.11	72.4	119.4
[3 -9 4]	(3 1 0)	(2 2 3)	3.127	1.478	2.12	56.4	85.3
[3 -9 -8]	(3 1 0)	(2 -2 3)	3.127	1.478	2.12	60.2	106.9
[3 -9 8]	(3 1 0)	(5 -1 -3)	3.127	1.476	2.12	58.0	78.0
[3 -9 2]	(3 1 0)	(5 1 -3)	3.127	1.476	2.12	56.0	89.0
[1 -3 9]	(3 1 0)	(3 7 2)	3.127	1.471	2.13	45.6	50.5
[3 -9 -20]	(3 1 0)	(1 7 -3)	3.127	1.463	2.14	88.2	124.7
[3 -9 22]	(3 1 0)	(1 -7 -3)	3.127	1.463	2.14	80.6	56.4
[1 -3 9]	(3 1 0)	(6 -4 -2)	3.127	1.459	2.14	45.1	50.5
[3 -9 -4]	(3 1 0)	(5 3 -3)	3.127	1.438	2.17	55.1	99.9
[3 9 14]	(3 1 0)	(5 3 -3)	3.127	1.438	2.17	60.7	67.9
[1 -3 8]	(3 1 0)	(3 -7 -3)	3.127	1.426	2.19	82.2	53.9
[1 -3 -6]	(3 1 0)	(3 7 -3)	3.127	1.426	2.19	71.0	122.1
[3 -9 10]	(3 1 0)	(2 4 3)	3.127	1.422	2.20	56.0	74.5
[3 9 -14]	(3 1 0)	(2 4 3)	3.127	1.422	2.20	63.2	116.5
[3 -9 -14]	(3 1 0)	(4 6 -3)	3.127	1.417	2.21	62.8	116.5
[3 -9 22]	(3 1 0)	(4 -6 -3)	3.127	1.417	2.21	72.8	56.4
[3 -9 26]	(3 1 0)	(2 -8 -3)	3.127	1.394	2.24	88.6	51.6
[3 -9 -22]	(3 1 0)	(2 8 -3)	3.127	1.394	2.24	79.2	127.1
[3 9 -22]	(3 1 0)	(1 7 3)	3.127	1.373	2.28	75.3	127.1
[3 9 20]	(3 1 0)	(1 -7 3)	3.127	1.373	2.28	64.1	59.1

(JCPDS 19-1601: a 9.860Å b 18.110Å c 5.340Å α 90° β 105.00° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[3 9 -10]	(3 1 0)	(5 -5 -3)	3.127	1.371	2.28	55.2	110.3
[3 9 20]	(3 1 0)	(5 5 -3)	3.127	1.371	2.28	63.9	59.1
[1 3 -8]	(3 1 0)	(0 8 3)	3.127	1.369	2.28	84.3	129.4
[1 -3 8]	(3 1 0)	(0 8 3)	3.127	1.369	2.28	72.1	53.9
[1 3 0]	(3 1 0)	(3 -1 3)	3.127	1.367	2.29	50.2	92.6
[1 3 -2]	(3 1 0)	(3 1 3)	3.127	1.367	2.29	52.1	103.5
[1 3 2]	(3 1 0)	(6 0 -3)	3.127	1.354	2.31	50.3	81.6
[3 9 16]	(3 1 0)	(2 -6 3)	3.127	1.342	2.33	56.4	64.8
[3 9 -20]	(3 1 0)	(2 6 3)	3.127	1.342	2.33	66.4	124.7
[1 3 0]	(3 1 0)	(6 -2 -3)	3.127	1.339	2.34	48.9	92.6
[1 3 4]	(3 1 0)	(6 2 -3)	3.127	1.339	2.34	52.6	71.2
[3 9 -26]	(3 1 0)	(1 -9 -3)	3.127	1.331	2.35	86.9	131.5
[3 9 28]	(3 1 0)	(1 9 -3)	3.127	1.331	2.35	80.0	49.4
[3 9 -20]	(3 1 0)	(4 -8 -3)	3.127	1.309	2.39	63.4	124.7
[3 9 28]	(3 1 0)	(4 8 -3)	3.127	1.309	2.39	75.7	49.4
[1 3 -8]	(3 1 0)	(3 -9 -3)	3.127	1.302	2.40	71.2	129.4
[1 3 10]	(3 1 0)	(3 9 -3)	3.127	1.302	2.40	84.3	47.3
[1 3 -2]	(3 1 0)	(6 -4 -3)	3.127	1.297	2.41	48.5	103.5
[1 3 6]	(3 1 0)	(6 4 -3)	3.127	1.297	2.41	55.7	61.9
[3 9 -16]	(3 1 0)	(5 -7 -3)	3.127	1.285	2.43	56.0	119.4
[3 9 26]	(3 1 0)	(5 7 -3)	3.127	1.285	2.43	67.2	51.6
[1 3 4]	(3 1 0)	(3 -5 3)	3.127	1.282	2.44	49.5	71.2
[1 3 -6]	(3 1 0)	(3 5 3)	3.127	1.282	2.44	58.2	122.1
[3 9 -28]	(3 1 0)	(2 -10 -3)	3.127	1.266	2.47	78.8	133.5
[3 9 32]	(3 1 0)	(2 10 -3)	3.127	1.266	2.47	87.3	45.4
[3 9 26]	(3 1 0)	(1 -9 3)	3.127	1.262	2.48	64.8	51.6
[3 9 -28]	(3 1 0)	(1 9 3)	3.127	1.262	2.48	77.9	133.5

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok l)]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[0 1 0]	(2 0 0)	(1 0 1)	9.25	5.08	1.82	74.1	90.0
[0 1 1]	(2 0 0)	(0 1 1)	9.25	5.06	1.83	90.0	73.6
[0 1 1]	(2 0 0)	(1 1 1)	9.25	4.88	1.89	74.7	73.6
[0 1 0]	(2 0 0)	(2 0 1)	9.25	4.59	2.02	60.3	90.0
[0 1 1]	(2 0 0)	(2 1 1)	9.25	4.44	2.08	61.3	73.6
[0 1 2]	(2 0 0)	(1 2 1)	9.25	4.42	2.09	76.2	59.5
[0 1 2]	(2 0 0)	(2 2 1)	9.25	4.08	2.27	63.8	59.5
[0 1 0]	(2 0 0)	(3 0 1)	9.25	4.01	2.31	49.4	90.0
[0 1 1]	(2 0 0)	(3 1 1)	9.25	3.91	2.36	50.6	73.6
[0 1 2]	(2 0 0)	(3 2 1)	9.25	3.66	2.53	53.6	59.5
[0 1 0]	(2 0 0)	(4 0 1)	9.25	3.48	2.66	41.2	90.0
[0 1 1]	(2 0 0)	(4 1 1)	9.25	3.42	2.71	42.4	73.6
[0 1 2]	(2 0 0)	(4 2 1)	9.25	3.24	2.85	45.5	59.5
[0 1 0]	(2 0 0)	(1 0 2)	9.25	2.61	3.54	81.9	90.0
[0 2 1]	(2 0 0)	(1 1 2)	9.25	2.59	3.58	82.0	81.6
[0 2 1]	(2 0 0)	(2 1 2)	9.25	2.51	3.68	74.2	81.6
[0 1 1]	(2 0 0)	(1 2 2)	9.25	2.51	3.69	82.2	73.6
[0 1 0]	(2 0 0)	(3 0 2)	9.25	2.43	3.81	66.8	90.0
[0 2 1]	(2 0 0)	(3 1 2)	9.25	2.40	3.85	67.0	81.6
[0 2 3]	(2 0 0)	(1 3 2)	9.25	2.39	3.86	82.6	66.1
[0 1 1]	(2 0 0)	(3 2 2)	9.25	2.34	3.95	67.7	73.6
[0 2 3]	(2 0 0)	(2 3 2)	9.25	2.34	3.96	75.4	66.1
[0 2 1]	(2 0 0)	(4 1 2)	9.25	2.27	4.07	60.5	81.6
[0 1 2]	(2 0 0)	(1 4 2)	9.25	2.26	4.10	83.0	59.5
[0 2 3]	(2 0 0)	(3 3 2)	9.25	2.25	4.11	68.6	66.1
[0 2 3]	(2 0 0)	(4 3 2)	9.25	2.14	4.32	62.4	66.1
[0 1 2]	(2 0 0)	(3 4 2)	9.25	2.13	4.34	69.8	59.5
[0 2 5]	(2 0 0)	(1 5 2)	9.25	2.11	4.38	83.4	53.6
[0 2 5]	(2 0 0)	(2 5 2)	9.25	2.07	4.47	77.1	53.6
[0 2 5]	(2 0 0)	(3 5 2)	9.25	2.01	4.60	71.0	53.6
[0 2 5]	(2 0 0)	(4 5 2)	9.25	1.93	4.79	65.3	53.6
[0 1 0]	(2 0 0)	(1 0 3)	9.25	1.75	5.28	84.6	90.0
[0 3 1]	(2 0 0)	(0 1 3)	9.25	1.75	5.28	90.0	84.4
[0 3 1]	(2 0 0)	(1 1 3)	9.25	1.74	5.30	84.6	84.4
[0 1 0]	(2 0 0)	(2 0 3)	9.25	1.73	5.35	79.2	90.0
[0 3 1]	(2 0 0)	(2 1 3)	9.25	1.72	5.37	79.3	84.4
[0 3 2]	(2 0 0)	(1 2 3)	9.25	1.72	5.38	84.7	78.9
[0 3 2]	(2 0 0)	(2 2 3)	9.25	1.70	5.45	79.4	78.9
[0 3 1]	(2 0 0)	(3 1 3)	9.25	1.68	5.49	74.1	84.4
[0 1 1]	(2 0 0)	(1 3 3)	9.25	1.68	5.50	84.8	73.6
[0 3 2]	(2 0 0)	(3 2 3)	9.25	1.66	5.56	74.4	78.9
[0 1 1]	(2 0 0)	(2 3 3)	9.25	1.66	5.57	79.7	73.6
[0 1 0]	(2 0 0)	(4 0 3)	9.25	1.64	5.62	69.2	90.0
[0 3 1]	(2 0 0)	(4 1 3)	9.25	1.64	5.65	69.3	84.4
[0 3 4]	(2 0 0)	(1 4 3)	9.25	1.63	5.67	84.9	68.5

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[0 3 2]	(2 0 0)	(4 2 3)	9.25	1.62	5.72	69.5	78.9
[0 3 4]	(2 0 0)	(2 4 3)	9.25	1.61	5.74	80.0	68.5
[0 1 1]	(2 0 0)	(4 3 3)	9.25	1.59	5.83	69.9	73.6
[0 3 4]	(2 0 0)	(3 4 3)	9.25	1.58	5.84	75.1	68.5
[0 3 5]	(2 0 0)	(0 5 3)	9.25	1.58	5.86	90.0	63.8
[0 3 5]	(2 0 0)	(1 5 3)	9.25	1.57	5.88	85.1	63.8
[0 3 5]	(2 0 0)	(2 5 3)	9.25	1.56	5.94	80.3	63.8
[0 3 4]	(2 0 0)	(4 4 3)	9.25	1.54	5.99	70.5	68.5
[0 3 5]	(2 0 0)	(3 5 3)	9.25	1.53	6.05	75.6	63.8
[0 1 2]	(2 0 0)	(1 6 3)	9.25	1.51	6.12	85.3	59.5
[0 1 2]	(2 0 0)	(2 6 3)	9.25	1.50	6.18	80.7	59.5
[0 3 5]	(2 0 0)	(4 5 3)	9.25	1.49	6.19	71.1	63.8
[0 3 7]	(2 0 0)	(0 7 3)	9.25	1.45	6.38	90.0	55.5
[0 3 7]	(2 0 0)	(1 7 3)	9.25	1.45	6.40	85.5	55.5
[0 1 2]	(2 0 0)	(4 6 3)	9.25	1.44	6.42	71.9	59.5
[0 3 7]	(2 0 0)	(2 7 3)	9.25	1.43	6.46	81.1	55.5
[0 3 7]	(2 0 0)	(3 7 3)	9.25	1.41	6.55	76.8	55.5
[0 3 7]	(2 0 0)	(4 7 3)	9.25	1.38	6.69	72.6	55.5
[0 3 8]	(2 0 0)	(1 8 3)	9.25	1.38	6.71	85.7	51.8
[0 3 8]	(2 0 0)	(2 8 3)	9.25	1.37	6.76	81.5	51.8
[0 3 8]	(2 0 0)	(3 8 3)	9.25	1.35	6.85	77.4	51.8
[0 3 8]	(2 0 0)	(4 8 3)	9.25	1.33	6.98	73.3	51.8
[0 1 0]	(2 0 0)	(1 0 4)	9.25	1.32	7.03	85.9	90.0
[0 4 1]	(2 0 0)	(1 1 4)	9.25	1.31	7.04	85.9	85.8
[0 2 1]	(2 0 0)	(0 2 4)	9.25	1.31	7.08	90.0	81.6
[0 4 1]	(2 0 0)	(2 1 4)	9.25	1.30	7.10	81.9	85.8
[0 2 1]	(2 0 0)	(1 2 4)	9.25	1.30	7.10	86.0	81.6
[0 1 0]	(2 0 0)	(3 0 4)	9.25	1.29	7.17	77.9	90.0
[0 4 1]	(2 0 0)	(3 1 4)	9.25	1.29	7.18	77.9	85.8
[0 4 3]	(2 0 0)	(1 3 4)	9.25	1.29	7.19	86.0	77.5
[0 2 1]	(2 0 0)	(3 2 4)	9.25	1.28	7.24	78.0	81.6
[0 4 3]	(2 0 0)	(2 3 4)	9.25	1.28	7.25	82.1	77.5
[0 4 1]	(2 0 0)	(4 1 4)	9.25	1.27	7.31	74.1	85.8
[0 1 1]	(2 0 0)	(1 4 4)	9.25	1.26	7.32	86.1	73.6
[0 4 3]	(2 0 0)	(3 3 4)	9.25	1.26	7.33	78.2	77.5
[1 0 1]	(0 2 0)	(1 0 1)	8.95	5.08	1.76	90.0	74.1
[1 0 0]	(0 2 0)	(0 1 1)	8.95	5.06	1.77	73.6	90.0
[1 0 1]	(0 2 0)	(1 1 1)	8.95	4.88	1.83	74.2	74.1
[1 0 2]	(0 2 0)	(2 0 1)	8.95	4.59	1.95	90.0	60.3
[1 0 2]	(0 2 0)	(2 1 1)	8.95	4.44	2.01	75.6	60.3
[1 0 1]	(0 2 0)	(1 2 1)	8.95	4.42	2.03	60.4	74.1
[1 0 2]	(0 2 0)	(2 2 1)	8.95	4.08	2.19	62.9	60.3
[1 0 0]	(0 2 0)	(0 3 1)	8.95	3.95	2.26	48.5	90.0
[1 0 1]	(0 2 0)	(1 3 1)	8.95	3.87	2.31	49.6	74.1

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok l)]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[1 0 2]	(0 2 0)	(2 3 1)	8.95	3.64	2.46	52.5	60.3
[1 0 1]	(0 2 0)	(1 4 1)	8.95	3.36	2.67	41.4	74.1
[1 0 2]	(0 2 0)	(2 4 1)	8.95	3.20	2.79	44.3	60.3
[1 0 0]	(0 2 0)	(0 5 1)	8.95	2.96	3.02	34.1	90.0
[1 0 1]	(0 2 0)	(1 5 1)	8.95	2.93	3.06	35.2	74.1
[1 0 2]	(0 2 0)	(2 5 1)	8.95	2.82	3.17	38.0	60.3
[2 0 1]	(0 2 0)	(1 0 2)	8.95	2.61	3.42	90.0	81.9
[2 0 1]	(0 2 0)	(1 1 2)	8.95	2.59	3.46	81.7	81.9
[1 0 1]	(0 2 0)	(1 6 1)	8.95	2.57	3.48	30.4	74.1
[1 0 1]	(0 2 0)	(2 1 2)	8.95	2.51	3.56	81.9	74.1
[2 0 1]	(0 2 0)	(1 2 2)	8.95	2.51	3.57	73.7	81.9
[1 0 2]	(0 2 0)	(2 6 1)	8.95	2.50	3.58	33.0	60.3
[2 0 3]	(0 2 0)	(3 0 2)	8.95	2.43	3.69	90.0	66.8
[2 0 3]	(0 2 0)	(3 1 2)	8.95	2.40	3.72	82.3	66.8
[2 0 1]	(0 2 0)	(1 3 2)	8.95	2.39	3.74	66.3	81.9
[2 0 3]	(0 2 0)	(3 2 2)	8.95	2.34	3.82	74.8	66.8
[1 0 1]	(0 2 0)	(2 3 2)	8.95	2.34	3.83	67.0	74.1
[1 0 0]	(0 2 0)	(0 7 1)	8.95	2.30	3.89	25.8	90.0
[1 0 1]	(0 2 0)	(1 7 1)	8.95	2.28	3.92	26.7	74.1
[1 0 2]	(0 2 0)	(4 1 2)	8.95	2.27	3.94	82.7	60.3
[2 0 1]	(0 2 0)	(1 4 2)	8.95	2.26	3.97	59.7	81.9
[2 0 3]	(0 2 0)	(3 3 2)	8.95	2.25	3.98	67.9	66.8
[1 0 2]	(0 2 0)	(2 7 1)	8.95	2.23	4.01	29.1	60.3
[1 0 2]	(0 2 0)	(4 3 2)	8.95	2.14	4.18	69.0	60.3
[2 0 3]	(0 2 0)	(3 4 2)	8.95	2.13	4.20	61.5	66.8
[2 0 1]	(0 2 0)	(1 5 2)	8.95	2.11	4.24	53.9	81.9
[1 0 1]	(0 2 0)	(2 5 2)	8.95	2.07	4.32	54.7	74.1
[1 0 1]	(0 2 0)	(1 8 1)	8.95	2.05	4.37	23.8	74.1
[1 0 2]	(0 2 0)	(2 8 1)	8.95	2.01	4.45	26.0	60.3
[2 0 3]	(0 2 0)	(3 5 2)	8.95	2.01	4.46	55.9	66.8
[2 0 1]	(0 2 0)	(1 6 2)	8.95	1.97	4.55	48.8	81.9
[1 0 2]	(0 2 0)	(4 5 2)	8.95	1.93	4.64	57.4	60.3
[2 0 3]	(0 2 0)	(3 6 2)	8.95	1.88	4.75	50.9	66.8
[2 0 1]	(0 2 0)	(1 7 2)	8.95	1.83	4.90	44.4	81.9
[1 0 1]	(0 2 0)	(2 7 2)	8.95	1.80	4.97	45.2	74.1
[2 0 3]	(0 2 0)	(3 7 2)	8.95	1.76	5.08	46.5	66.8
[3 0 1]	(0 2 0)	(1 0 3)	8.95	1.75	5.11	90.0	84.6
[1 0 0]	(0 2 0)	(0 1 3)	8.95	1.75	5.11	84.4	90.0
[3 0 1]	(0 2 0)	(1 1 3)	8.95	1.74	5.13	84.4	84.6
[3 0 2]	(0 2 0)	(2 0 3)	8.95	1.73	5.18	90.0	79.2
[3 0 2]	(0 2 0)	(2 1 3)	8.95	1.72	5.20	84.5	79.2
[3 0 1]	(0 2 0)	(1 2 3)	8.95	1.72	5.21	78.9	84.6
[1 0 2]	(0 2 0)	(4 7 2)	8.95	1.71	5.24	48.1	60.3
[2 0 1]	(0 2 0)	(1 8 2)	8.95	1.70	5.27	40.6	81.9
[3 0 2]	(0 2 0)	(2 2 3)	8.95	1.70	5.27	79.1	79.2

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 0 1]	(0 2 0)	(3 1 3)	8.95	1.68	5.31	84.6	74.1
[3 0 1]	(0 2 0)	(1 3 3)	8.95	1.68	5.32	73.6	84.6
[1 0 1]	(0 2 0)	(3 2 3)	8.95	1.66	5.38	79.3	74.1
[3 0 2]	(0 2 0)	(2 3 3)	8.95	1.66	5.39	73.8	79.2
[2 0 3]	(0 2 0)	(3 8 2)	8.95	1.65	5.44	42.7	66.8
[3 0 4]	(0 2 0)	(4 0 3)	8.95	1.64	5.44	90.0	69.2
[3 0 4]	(0 2 0)	(4 1 3)	8.95	1.64	5.46	84.7	69.2
[3 0 1]	(0 2 0)	(1 4 3)	8.95	1.63	5.49	68.6	84.6
[3 0 4]	(0 2 0)	(4 2 3)	8.95	1.62	5.53	79.6	69.2
[3 0 2]	(0 2 0)	(2 4 3)	8.95	1.61	5.55	68.9	79.2
[3 0 4]	(0 2 0)	(4 3 3)	8.95	1.59	5.64	74.6	69.2
[1 0 1]	(0 2 0)	(3 4 3)	8.95	1.58	5.65	69.3	74.1
[1 0 0]	(0 2 0)	(0 5 3)	8.95	1.58	5.67	63.8	90.0
[3 0 1]	(0 2 0)	(1 5 3)	8.95	1.57	5.69	63.9	84.6
[3 0 2]	(0 2 0)	(2 5 3)	8.95	1.56	5.75	64.2	79.2
[3 0 4]	(0 2 0)	(4 4 3)	8.95	1.54	5.80	69.8	69.2
[1 0 1]	(0 2 0)	(3 5 3)	8.95	1.53	5.85	64.7	74.1
[3 0 1]	(0 2 0)	(1 6 3)	8.95	1.51	5.92	59.6	84.6
[3 0 2]	(0 2 0)	(2 6 3)	8.95	1.50	5.98	59.9	79.2
[3 0 4]	(0 2 0)	(4 5 3)	8.95	1.49	5.99	65.3	69.2
[1 0 0]	(0 2 0)	(0 7 3)	8.95	1.45	6.17	55.5	90.0
[3 0 1]	(0 2 0)	(1 7 3)	8.95	1.45	6.19	55.6	84.6
[3 0 4]	(0 2 0)	(4 6 3)	8.95	1.44	6.21	61.1	69.2
[3 0 2]	(0 2 0)	(2 7 3)	8.95	1.43	6.25	55.9	79.2
[1 0 1]	(0 2 0)	(3 7 3)	8.95	1.41	6.34	56.5	74.1
[3 0 4]	(0 2 0)	(4 7 3)	8.95	1.38	6.47	57.2	69.2
[3 0 1]	(0 2 0)	(1 8 3)	8.95	1.38	6.49	51.9	84.6
[3 0 2]	(0 2 0)	(2 8 3)	8.95	1.37	6.54	52.3	79.2
[1 0 1]	(0 2 0)	(3 8 3)	8.95	1.35	6.63	52.9	74.1
[3 0 4]	(0 2 0)	(4 8 3)	8.95	1.33	6.75	53.7	69.2
[4 0 1]	(0 2 0)	(1 0 4)	8.95	1.32	6.80	90.0	85.9
[3 0 1]	(0 2 0)	(1 9 3)	8.95	1.31	6.81	48.6	84.6
[4 0 1]	(0 2 0)	(1 1 4)	8.95	1.31	6.82	85.8	85.9
[1 0 0]	(0 2 0)	(0 2 4)	8.95	1.31	6.85	81.6	90.0
[3 0 2]	(0 2 0)	(2 9 3)	8.95	1.30	6.86	49.0	79.2
[2 0 1]	(0 2 0)	(2 1 4)	8.95	1.30	6.87	85.8	81.9
[4 0 1]	(0 2 0)	(1 2 4)	8.95	1.30	6.87	81.6	85.9
[4 0 3]	(0 2 0)	(3 0 4)	8.95	1.29	6.93	90.0	77.9
[4 0 3]	(0 2 0)	(3 1 4)	8.95	1.29	6.95	85.9	77.9
[4 0 1]	(0 2 0)	(1 3 4)	8.95	1.29	6.96	77.6	85.9
[4 0 3]	(0 2 0)	(3 2 4)	8.95	1.28	7.01	81.8	77.9
[2 0 1]	(0 2 0)	(2 3 4)	8.95	1.28	7.01	77.6	81.9
[1 0 1]	(0 2 0)	(4 1 4)	8.95	1.27	7.07	85.9	74.1
[4 0 1]	(0 2 0)	(1 4 4)	8.95	1.26	7.09	73.6	85.9
[4 0 3]	(0 2 0)	(3 3 4)	8.95	1.26	7.09	77.8	77.9

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 0 1]	(0 2 0)	(1 10 3)	8.95	1.25	7.15	45.6	84.6
[1 2 1]	(2 1 0)	(1 0 1)	8.22	5.08	1.62	75.9	82.5
[1 2 2]	(2 1 0)	(0 1 1)	8.22	5.06	1.62	82.5	75.3
[1 2 3]	(2 1 0)	(1 -1 1)	8.22	4.88	1.68	83.7	68.5
[1 2 1]	(2 1 0)	(1 1 1)	8.22	4.88	1.68	68.9	82.5
[1 2 2]	(2 1 0)	(2 0 1)	8.22	4.59	1.79	63.9	75.3
[1 2 0]	(2 1 0)	(2 1 -1)	8.22	4.44	1.85	57.3	90.0
[1 2 4]	(2 1 0)	(2 -1 1)	8.22	4.44	1.85	71.8	62.3
[1 2 3]	(2 1 0)	(1 2 1)	8.22	4.42	1.86	64.0	68.5
[1 2 5]	(2 1 0)	(1 -2 -1)	8.22	4.42	1.86	89.2	56.8
[1 2 2]	(2 1 0)	(2 2 1)	8.22	4.08	2.01	53.0	75.3
[1 2 6]	(2 1 0)	(2 -2 1)	8.22	4.08	2.01	79.5	51.8
[1 2 3]	(2 1 0)	(3 0 1)	8.22	4.01	2.05	54.7	68.5
[1 2 6]	(2 1 0)	(0 3 1)	8.22	3.95	2.08	72.3	51.8
[1 2 1]	(2 1 0)	(3 1 1)	8.22	3.91	2.10	48.4	82.5
[1 2 5]	(2 1 0)	(3 -1 1)	8.22	3.91	2.10	62.4	56.8
[1 2 5]	(2 1 0)	(1 3 1)	8.22	3.87	2.13	61.1	56.8
[1 2 1]	(2 1 0)	(3 2 1)	8.22	3.66	2.25	44.4	82.5
[1 2 4]	(2 1 0)	(2 3 1)	8.22	3.64	2.26	51.0	62.3
[1 2 4]	(2 1 0)	(4 0 -1)	8.22	3.48	2.36	48.1	62.3
[1 2 2]	(2 1 0)	(4 1 1)	8.22	3.42	2.41	42.0	75.3
[1 2 6]	(2 1 0)	(4 -1 1)	8.22	3.42	2.41	55.4	51.8
[1 2 3]	(2 1 0)	(3 3 1)	8.22	3.33	2.47	42.6	68.5
[1 2 6]	(2 1 0)	(2 4 1)	8.22	3.20	2.57	50.5	51.8
[1 2 5]	(2 1 0)	(3 4 -1)	8.22	2.99	2.75	42.6	56.8
[2 4 1]	(2 1 0)	(1 0 -2)	8.22	2.61	3.14	82.8	86.3
[2 4 3]	(2 1 0)	(1 -1 2)	8.22	2.59	3.18	86.7	78.9
[2 4 1]	(2 1 0)	(1 1 2)	8.22	2.59	3.18	79.0	86.3
[1 2 0]	(2 1 0)	(2 1 -2)	8.22	2.51	3.27	72.2	90.0
[1 2 2]	(2 1 0)	(2 -1 2)	8.22	2.51	3.27	79.8	75.3
[2 4 3]	(2 1 0)	(1 2 2)	8.22	2.51	3.28	75.6	78.9
[2 4 5]	(2 1 0)	(1 -2 2)	8.22	2.51	3.28	89.5	71.9
[2 4 3]	(2 1 0)	(3 0 2)	8.22	2.43	3.39	69.5	78.9
[2 4 1]	(2 1 0)	(3 1 2)	8.22	2.40	3.42	65.9	86.3
[2 4 5]	(2 1 0)	(3 -1 2)	8.22	2.40	3.42	73.5	71.9
[2 4 5]	(2 1 0)	(1 3 2)	8.22	2.39	3.43	72.6	71.9
[2 4 7]	(2 1 0)	(1 -3 -2)	8.22	2.39	3.43	86.0	65.4
[2 4 1]	(2 1 0)	(3 2 2)	8.22	2.34	3.51	62.8	86.3
[2 4 7]	(2 1 0)	(3 -2 -2)	8.22	2.34	3.51	77.4	65.4
[1 2 4]	(2 1 0)	(2 -3 2)	8.22	2.34	3.52	87.4	62.3
[1 2 2]	(2 1 0)	(2 3 -2)	8.22	2.34	3.52	66.2	75.3
[1 2 1]	(2 1 0)	(4 1 2)	8.22	2.27	3.61	60.3	82.5
[1 2 3]	(2 1 0)	(4 -1 2)	8.22	2.27	3.61	67.8	68.5
[2 4 9]	(2 1 0)	(1 -4 -2)	8.22	2.26	3.64	82.9	59.5

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[2 4 7]	(2 1 0)	(1 4 2)	8.22	2.26	3.64	70.1	65.4
[2 4 9]	(2 1 0)	(3 -3 -2)	8.22	2.25	3.66	81.3	59.5
[2 4 3]	(2 1 0)	(3 3 2)	8.22	2.25	3.66	60.2	78.9
[1 2 1]	(2 1 0)	(4 3 -2)	8.22	2.14	3.84	54.8	82.5
[1 2 5]	(2 1 0)	(4 -3 2)	8.22	2.14	3.84	75.7	56.8
[2 4 5]	(2 1 0)	(3 4 -2)	8.22	2.13	3.85	58.3	71.9
[2 4 9]	(2 1 0)	(1 5 2)	8.22	2.11	3.89	68.2	59.5
[1 2 4]	(2 1 0)	(2 5 2)	8.22	2.07	3.97	62.3	62.3
[1 2 6]	(2 1 0)	(2 -5 2)	8.22	2.07	3.97	86.2	51.8
[2 4 7]	(2 1 0)	(3 5 2)	8.22	2.01	4.09	56.8	65.4
[1 2 3]	(2 1 0)	(4 5 -2)	8.22	1.93	4.26	51.8	68.5
[2 4 9]	(2 1 0)	(3 6 -2)	8.22	1.88	4.36	55.9	59.5
[1 2 6]	(2 1 0)	(2 7 2)	8.22	1.80	4.56	60.2	51.8
[3 6 1]	(2 1 0)	(1 0 3)	8.22	1.75	4.69	85.2	87.5
[3 6 2]	(2 1 0)	(0 -1 3)	8.22	1.75	4.69	87.4	85.0
[3 6 1]	(2 1 0)	(1 1 3)	8.22	1.74	4.71	82.6	87.5
[1 2 1]	(2 1 0)	(1 -1 -3)	8.22	1.74	4.71	87.8	82.5
[3 6 2]	(2 1 0)	(2 0 3)	8.22	1.73	4.75	80.4	85.0
[3 6 4]	(2 1 0)	(2 -1 3)	8.22	1.72	4.77	83.0	80.1
[1 2 0]	(2 1 0)	(2 1 3)	8.22	1.72	4.77	77.9	90.0
[1 2 1]	(2 1 0)	(1 2 3)	8.22	1.72	4.78	80.2	82.5
[3 6 5]	(2 1 0)	(1 -2 3)	8.22	1.72	4.78	89.7	77.7
[1 2 2]	(2 1 0)	(2 -2 -3)	8.22	1.70	4.84	85.6	75.3
[3 6 2]	(2 1 0)	(2 2 3)	8.22	1.70	4.84	75.5	85.0
[3 6 1]	(2 1 0)	(3 1 3)	8.22	1.68	4.88	73.4	87.5
[3 6 5]	(2 1 0)	(3 -1 3)	8.22	1.68	4.88	78.5	77.7
[3 6 5]	(2 1 0)	(1 3 3)	8.22	1.68	4.89	77.9	77.7
[3 6 7]	(2 1 0)	(1 -3 3)	8.22	1.68	4.89	87.2	73.0
[3 6 1]	(2 1 0)	(3 2 3)	8.22	1.66	4.94	71.0	87.5
[3 6 7]	(2 1 0)	(3 -2 3)	8.22	1.66	4.94	81.1	73.0
[3 6 4]	(2 1 0)	(2 3 3)	8.22	1.66	4.95	73.3	80.1
[3 6 8]	(2 1 0)	(2 -3 -3)	8.22	1.66	4.95	88.2	70.7
[3 6 4]	(2 1 0)	(4 0 3)	8.22	1.64	5.00	71.6	80.1
[3 6 2]	(2 1 0)	(4 1 3)	8.22	1.64	5.02	69.1	85.0
[1 2 2]	(2 1 0)	(4 -1 3)	8.22	1.64	5.02	74.2	75.3
[3 6 7]	(2 1 0)	(1 4 3)	8.22	1.63	5.04	75.8	73.0
[1 2 3]	(2 1 0)	(1 -4 -3)	8.22	1.63	5.04	84.9	68.5
[1 2 0]	(2 1 0)	(4 2 3)	8.22	1.62	5.08	66.8	90.0
[3 6 8]	(2 1 0)	(4 -2 3)	8.22	1.62	5.08	76.8	70.7
[1 2 2]	(2 1 0)	(2 4 3)	8.22	1.61	5.10	71.3	75.3
[3 6 10]	(2 1 0)	(2 -4 3)	8.22	1.61	5.10	89.4	66.4
[3 6 2]	(2 1 0)	(4 3 3)	8.22	1.59	5.18	64.7	85.0
[3 6 10]	(2 1 0)	(4 -3 -3)	8.22	1.59	5.18	79.5	66.4
[3 6 5]	(2 1 0)	(3 4 3)	8.22	1.58	5.19	67.0	77.7
[3 6 10]	(2 1 0)	(0 5 3)	8.22	1.58	5.20	78.3	66.4

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok l)]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[1 2 3]	(2 1 0)	(1 5 3)	8.22	1.57	5.22	73.9	68.5
[3 6 8]	(2 1 0)	(2 5 3)	8.22	1.56	5.28	69.6	70.7
[1 2 4]	(2 1 0)	(2 -5 -3)	8.22	1.56	5.28	87.1	62.3
[3 6 4]	(2 1 0)	(4 4 3)	8.22	1.54	5.32	62.9	80.1
[1 2 4]	(2 1 0)	(4 -4 3)	8.22	1.54	5.32	82.1	62.3
[3 6 7]	(2 1 0)	(3 5 3)	8.22	1.53	5.37	65.4	73.0
[3 6 10]	(2 1 0)	(2 6 3)	8.22	1.50	5.49	68.0	66.4
[1 2 2]	(2 1 0)	(4 5 -3)	8.22	1.49	5.50	61.4	75.3
[1 2 5]	(2 1 0)	(1 -7 3)	8.22	1.45	5.69	79.0	56.8
[1 2 4]	(2 1 0)	(2 7 3)	8.22	1.43	5.74	66.8	62.3
[1 2 6]	(2 1 0)	(4 -7 -3)	8.22	1.38	5.94	89.0	51.8
[1 2 5]	(2 1 0)	(1 8 3)	8.22	1.38	5.96	69.6	56.8
[1 2 6]	(2 1 0)	(2 -8 3)	8.22	1.37	6.01	81.4	51.8
[4 8 1]	(2 1 0)	(1 0 4)	8.22	1.32	6.24	86.4	88.1
[4 8 1]	(2 1 0)	(1 1 4)	8.22	1.31	6.26	84.4	88.1
[4 8 3]	(2 1 0)	(1 -1 4)	8.22	1.31	6.26	88.3	84.4
[1 2 1]	(2 1 0)	(0 2 4)	8.22	1.31	6.29	86.2	82.5
[1 2 0]	(2 1 0)	(2 1 4)	8.22	1.30	6.31	80.9	90.0
[1 2 1]	(2 1 0)	(2 -1 4)	8.22	1.30	6.31	84.7	82.5
[4 8 3]	(2 1 0)	(1 2 4)	8.22	1.30	6.31	82.6	84.4
[4 8 5]	(2 1 0)	(1 -2 4)	8.22	1.30	6.31	89.8	80.7
[4 8 3]	(2 1 0)	(3 0 4)	8.22	1.29	6.37	79.3	84.4
[4 8 1]	(2 1 0)	(3 1 4)	8.22	1.29	6.38	77.4	88.1
[4 8 5]	(2 1 0)	(3 -1 4)	8.22	1.29	6.38	81.2	80.7
[4 8 7]	(2 1 0)	(1 -3 4)	8.22	1.29	6.39	87.9	77.1
[4 8 5]	(2 1 0)	(1 3 4)	8.22	1.29	6.39	80.8	80.7
[4 8 1]	(2 1 0)	(3 2 4)	8.22	1.28	6.43	75.5	88.1
[4 8 7]	(2 1 0)	(3 -2 4)	8.22	1.28	6.43	83.2	77.1
[1 2 1]	(2 1 0)	(2 3 4)	8.22	1.28	6.44	77.2	82.5
[1 2 2]	(2 1 0)	(2 -3 4)	8.22	1.28	6.44	88.6	75.3
[2 4 1]	(2 1 0)	(4 1 4)	8.22	1.27	6.49	74.0	86.3
[2 4 3]	(2 1 0)	(4 -1 4)	8.22	1.27	6.49	77.8	78.9
[4 8 7]	(2 1 0)	(1 4 4)	8.22	1.26	6.51	79.0	77.1
[4 8 9]	(2 1 0)	(1 -4 4)	8.22	1.26	6.51	86.0	73.6
[4 8 3]	(2 1 0)	(3 3 4)	8.22	1.26	6.51	73.8	84.4
[4 8 9]	(2 1 0)	(3 -3 4)	8.22	1.26	6.51	85.1	73.6
[1 1 1]	(2 2 0)	(1 0 1)	6.43	5.08	1.27	79.0	78.4
[1 1 1]	(2 2 0)	(0 1 1)	6.43	5.06	1.27	78.3	78.4
[1 1 2]	(2 2 0)	(1 -1 1)	6.43	4.88	1.32	89.3	67.7
[1 1 0]	(2 2 0)	(1 1 1)	6.43	4.88	1.32	67.7	90.0
[1 1 2]	(2 2 0)	(2 0 1)	6.43	4.59	1.40	69.8	67.7
[1 1 1]	(2 2 0)	(2 1 -1)	6.43	4.44	1.45	59.2	78.4
[1 1 3]	(2 2 0)	(2 -1 1)	6.43	4.44	1.45	81.0	58.4
[1 1 1]	(2 2 0)	(1 2 1)	6.43	4.42	1.46	58.6	78.4

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 1 3]	(2 2 0)	(1 -2 -1)	6.43	4.42	1.46	79.1	58.4
[1 1 0]	(2 2 0)	(2 2 1)	6.43	4.08	1.58	50.6	90.0
[1 1 4]	(2 2 0)	(2 -2 1)	6.43	4.08	1.58	88.8	50.6
[1 1 3]	(2 2 0)	(3 0 1)	6.43	4.01	1.60	63.1	58.4
[1 1 3]	(2 2 0)	(0 3 1)	6.43	3.95	1.63	61.6	58.4
[1 1 2]	(2 2 0)	(3 1 1)	6.43	3.91	1.64	53.2	67.7
[1 1 4]	(2 2 0)	(3 -1 1)	6.43	3.91	1.64	73.5	50.6
[1 1 4]	(2 2 0)	(1 -3 -1)	6.43	3.87	1.66	71.3	50.6
[1 1 2]	(2 2 0)	(1 3 1)	6.43	3.87	1.66	52.3	67.7
[1 1 1]	(2 2 0)	(3 2 1)	6.43	3.66	1.76	45.0	78.4
[1 1 1]	(2 2 0)	(2 3 1)	6.43	3.64	1.77	44.7	78.4
[1 1 4]	(2 2 0)	(4 0 -1)	6.43	3.48	1.85	58.5	50.6
[1 1 3]	(2 2 0)	(4 1 1)	6.43	3.42	1.88	49.4	58.4
[1 1 3]	(2 2 0)	(1 4 1)	6.43	3.36	1.92	48.3	58.4
[1 1 2]	(2 2 0)	(4 2 1)	6.43	3.24	1.98	41.6	67.7
[1 1 2]	(2 2 0)	(2 4 1)	6.43	3.20	2.01	41.0	67.7
[1 1 4]	(2 2 0)	(1 5 1)	6.43	2.93	2.20	45.8	50.6
[2 2 1]	(2 2 0)	(1 0 -2)	6.43	2.61	2.46	84.4	84.1
[1 1 1]	(2 2 0)	(1 -1 2)	6.43	2.59	2.49	89.6	78.4
[1 1 0]	(2 2 0)	(1 1 2)	6.43	2.59	2.49	78.4	90.0
[2 2 1]	(2 2 0)	(2 1 -2)	6.43	2.51	2.56	73.2	84.1
[2 2 3]	(2 2 0)	(2 -1 2)	6.43	2.51	2.56	84.9	72.9
[2 2 1]	(2 2 0)	(1 2 2)	6.43	2.51	2.56	72.8	84.1
[2 2 3]	(2 2 0)	(1 -2 2)	6.43	2.51	2.56	83.8	72.9
[2 2 3]	(2 2 0)	(3 0 2)	6.43	2.43	2.65	74.1	72.9
[1 1 1]	(2 2 0)	(3 1 2)	6.43	2.40	2.67	68.4	78.4
[1 1 2]	(2 2 0)	(3 -1 2)	6.43	2.40	2.67	79.9	67.7
[1 1 1]	(2 2 0)	(1 3 2)	6.43	2.39	2.69	67.8	78.4
[1 1 2]	(2 2 0)	(1 -3 -2)	6.43	2.39	2.69	78.6	67.7
[2 2 1]	(2 2 0)	(3 2 2)	6.43	2.34	2.75	63.1	84.1
[2 2 5]	(2 2 0)	(3 -2 -2)	6.43	2.34	2.75	85.6	62.9
[2 2 5]	(2 2 0)	(2 -3 2)	6.43	2.34	2.75	83.9	62.9
[2 2 1]	(2 2 0)	(2 3 -2)	6.43	2.34	2.75	62.8	84.1
[2 2 3]	(2 2 0)	(4 1 2)	6.43	2.27	2.83	64.3	72.9
[2 2 5]	(2 2 0)	(4 -1 2)	6.43	2.27	2.83	75.5	62.9
[2 2 5]	(2 2 0)	(1 -4 -2)	6.43	2.26	2.85	73.9	62.9
[2 2 3]	(2 2 0)	(1 4 2)	6.43	2.26	2.85	63.4	72.9
[1 1 3]	(2 2 0)	(3 -3 -2)	6.43	2.25	2.86	89.0	58.4
[1 1 0]	(2 2 0)	(3 3 2)	6.43	2.25	2.86	58.4	90.0
[2 2 1]	(2 2 0)	(4 3 -2)	6.43	2.14	3.01	54.6	84.1
[2 2 7]	(2 2 0)	(4 -3 2)	6.43	2.14	3.01	86.3	54.3
[2 2 1]	(2 2 0)	(3 4 -2)	6.43	2.13	3.01	54.3	84.1
[2 2 7]	(2 2 0)	(3 -4 2)	6.43	2.13	3.01	84.1	54.3
[1 1 2]	(2 2 0)	(1 5 2)	6.43	2.11	3.05	59.8	67.7
[1 1 3]	(2 2 0)	(1 -5 2)	6.43	2.11	3.05	69.9	58.4

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok l)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[2 2 3]	(2 2 0)	(2 5 2)	6.43	2.07	3.11	55.2	72.9
[2 2 7]	(2 2 0)	(2 -5 2)	6.43	2.07	3.11	74.9	54.3
[1 1 1]	(2 2 0)	(3 5 2)	6.43	2.01	3.20	51.0	78.4
[1 1 4]	(2 2 0)	(3 -5 -2)	6.43	2.01	3.20	79.8	50.6
[2 2 5]	(2 2 0)	(1 6 2)	6.43	1.97	3.27	56.8	62.9
[2 2 7]	(2 2 0)	(1 -6 2)	6.43	1.97	3.27	66.4	54.3
[2 2 1]	(2 2 0)	(4 5 -2)	6.43	1.93	3.33	47.3	84.1
[2 2 3]	(2 2 0)	(3 6 -2)	6.43	1.88	3.42	48.3	72.9
[1 1 4]	(2 2 0)	(1 -7 2)	6.43	1.83	3.52	63.6	50.6
[1 1 3]	(2 2 0)	(1 7 2)	6.43	1.83	3.52	54.4	58.4
[2 2 5]	(2 2 0)	(2 7 2)	6.43	1.80	3.57	50.1	62.9
[1 1 2]	(2 2 0)	(3 7 2)	6.43	1.76	3.65	46.1	67.7
[3 3 1]	(2 2 0)	(1 0 3)	6.43	1.75	3.67	86.2	86.1
[3 3 1]	(2 2 0)	(0 -1 3)	6.43	1.75	3.67	86.0	86.1
[1 1 0]	(2 2 0)	(1 1 3)	6.43	1.74	3.69	82.2	90.0
[3 3 2]	(2 2 0)	(1 -1 -3)	6.43	1.74	3.69	89.7	82.2
[3 3 2]	(2 2 0)	(2 0 3)	6.43	1.73	3.72	82.5	82.2
[1 1 1]	(2 2 0)	(2 -1 3)	6.43	1.72	3.74	86.5	78.4
[3 3 1]	(2 2 0)	(2 1 3)	6.43	1.72	3.74	78.6	86.1
[3 3 1]	(2 2 0)	(1 2 3)	6.43	1.72	3.74	78.3	86.1
[1 1 1]	(2 2 0)	(1 -2 3)	6.43	1.72	3.74	85.8	78.4
[2 2 7]	(2 2 0)	(1 8 2)	6.43	1.70	3.78	52.4	54.3
[3 3 4]	(2 2 0)	(2 -2 -3)	6.43	1.70	3.79	89.5	74.7
[1 1 0]	(2 2 0)	(2 2 3)	6.43	1.70	3.79	74.7	90.0
[3 3 2]	(2 2 0)	(3 1 3)	6.43	1.68	3.82	75.1	82.2
[3 3 4]	(2 2 0)	(3 -1 3)	6.43	1.68	3.82	83.0	74.7
[3 3 2]	(2 2 0)	(1 3 3)	6.43	1.68	3.83	74.6	82.2
[3 3 4]	(2 2 0)	(1 -3 3)	6.43	1.68	3.83	82.0	74.7
[3 3 1]	(2 2 0)	(3 2 3)	6.43	1.66	3.87	71.3	86.1
[3 3 5]	(2 2 0)	(3 -2 3)	6.43	1.66	3.87	86.9	71.1
[3 3 1]	(2 2 0)	(2 3 3)	6.43	1.66	3.87	71.0	86.1
[3 3 5]	(2 2 0)	(2 -3 -3)	6.43	1.66	3.87	85.7	71.1
[2 2 5]	(2 2 0)	(3 8 2)	6.43	1.65	3.91	44.4	62.9
[3 3 4]	(2 2 0)	(4 0 3)	6.43	1.64	3.91	75.7	74.7
[1 1 1]	(2 2 0)	(4 1 3)	6.43	1.64	3.93	71.8	78.4
[3 3 5]	(2 2 0)	(4 -1 3)	6.43	1.64	3.93	79.6	71.1
[1 1 1]	(2 2 0)	(1 4 3)	6.43	1.63	3.94	71.1	78.4
[3 3 5]	(2 2 0)	(1 -4 -3)	6.43	1.63	3.94	78.4	71.1
[3 3 2]	(2 2 0)	(4 2 3)	6.43	1.62	3.98	68.1	82.2
[1 1 2]	(2 2 0)	(4 -2 3)	6.43	1.62	3.98	83.5	67.7
[3 3 2]	(2 2 0)	(2 4 3)	6.43	1.61	3.99	67.7	82.2
[1 1 2]	(2 2 0)	(2 -4 3)	6.43	1.61	3.99	82.1	67.7
[3 3 1]	(2 2 0)	(4 3 3)	6.43	1.59	4.06	64.6	86.1
[3 3 7]	(2 2 0)	(4 -3 -3)	6.43	1.59	4.06	87.3	64.4
[3 3 1]	(2 2 0)	(3 4 3)	6.43	1.58	4.06	64.4	86.1

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 3 7]	(2 2 0)	(3 -4 3)	6.43	1.58	4.06	85.7	64.4
[1 1 4]	(2 2 0)	(1 9 2)	6.43	1.58	4.06	50.8	50.6
[3 3 5]	(2 2 0)	(0 5 3)	6.43	1.58	4.07	71.5	71.1
[3 3 4]	(2 2 0)	(1 5 3)	6.43	1.57	4.09	68.0	74.7
[1 1 2]	(2 2 0)	(1 -5 3)	6.43	1.57	4.09	75.1	67.7
[2 2 7]	(2 2 0)	(2 9 2)	6.43	1.57	4.11	46.9	54.3
[1 1 1]	(2 2 0)	(2 5 3)	6.43	1.56	4.13	64.6	78.4
[3 3 7]	(2 2 0)	(2 -5 -3)	6.43	1.56	4.13	78.7	64.4
[1 1 0]	(2 2 0)	(4 4 3)	6.43	1.54	4.17	61.3	90.0
[3 3 8]	(2 2 0)	(4 -4 3)	6.43	1.54	4.17	89.1	61.3
[1 1 3]	(2 2 0)	(3 9 2)	6.43	1.54	4.18	43.2	58.4
[3 3 2]	(2 2 0)	(3 5 3)	6.43	1.53	4.20	61.3	82.2
[3 3 8]	(2 2 0)	(3 -5 3)	6.43	1.53	4.20	82.3	61.3
[3 3 5]	(2 2 0)	(1 6 3)	6.43	1.51	4.26	65.1	71.1
[3 3 7]	(2 2 0)	(1 -6 -3)	6.43	1.51	4.26	72.1	64.4
[3 3 4]	(2 2 0)	(2 6 3)	6.43	1.50	4.30	61.8	74.7
[3 3 8]	(2 2 0)	(2 -6 -3)	6.43	1.50	4.30	75.6	61.3
[3 3 1]	(2 2 0)	(4 5 -3)	6.43	1.49	4.30	58.3	86.1
[1 1 3]	(2 2 0)	(4 -5 3)	6.43	1.49	4.30	85.7	58.4
[3 3 7]	(2 2 0)	(0 7 3)	6.43	1.45	4.44	66.0	64.4
[1 1 2]	(2 2 0)	(1 7 -3)	6.43	1.45	4.45	62.6	67.7
[3 3 8]	(2 2 0)	(1 -7 3)	6.43	1.45	4.45	69.4	61.3
[2 2 7]	(2 2 0)	(3 10 2)	6.43	1.44	4.46	42.2	54.3
[3 3 10]	(2 2 0)	(4 -6 3)	6.43	1.44	4.47	82.5	55.6
[3 3 5]	(2 2 0)	(2 7 3)	6.43	1.43	4.49	59.3	71.1
[1 1 3]	(2 2 0)	(2 -7 3)	6.43	1.43	4.49	72.9	58.4
[3 3 4]	(2 2 0)	(3 7 3)	6.43	1.41	4.56	56.2	74.7
[3 3 10]	(2 2 0)	(3 -7 3)	6.43	1.41	4.56	76.3	55.6
[1 1 3]	(2 2 0)	(1 -8 -3)	6.43	1.38	4.66	67.0	58.4
[3 3 7]	(2 2 0)	(1 8 3)	6.43	1.38	4.66	60.3	64.4
[1 1 2]	(2 2 0)	(2 8 3)	6.43	1.37	4.70	57.2	67.7
[3 3 10]	(2 2 0)	(2 -8 3)	6.43	1.37	4.70	70.3	55.6
[3 3 5]	(2 2 0)	(3 8 3)	6.43	1.35	4.77	54.1	71.1
[1 1 4]	(2 2 0)	(4 -8 3)	6.43	1.33	4.85	76.9	50.6
[4 4 1]	(2 2 0)	(1 0 4)	6.43	1.32	4.89	87.2	87.1
[3 3 8]	(2 2 0)	(1 9 3)	6.43	1.31	4.89	58.4	61.3
[1 1 0]	(2 2 0)	(1 1 4)	6.43	1.31	4.90	84.1	90.0
[2 2 1]	(2 2 0)	(1 -1 4)	6.43	1.31	4.90	89.8	84.1
[2 2 1]	(2 2 0)	(0 2 4)	6.43	1.31	4.93	84.0	84.1
[3 3 7]	(2 2 0)	(2 9 -3)	6.43	1.30	4.93	55.3	64.4
[4 4 1]	(2 2 0)	(2 1 4)	6.43	1.30	4.94	81.4	87.1
[4 4 3]	(2 2 0)	(2 -1 4)	6.43	1.30	4.94	87.4	81.3
[4 4 1]	(2 2 0)	(1 2 4)	6.43	1.30	4.94	81.2	87.1
[4 4 3]	(2 2 0)	(1 -2 4)	6.43	1.30	4.94	86.8	81.3
[4 4 3]	(2 2 0)	(3 0 4)	6.43	1.29	4.98	81.6	81.3

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group Pnma permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok)]

Zone Axis	(h k 0)	(h k l)	d(hk0)	d(hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[2 2 1]	(2 2 0)	(3 1 4)	6.43	1.29	5.00	78.6	84.1
[1 1 1]	(2 2 0)	(3 -1 4)	6.43	1.29	5.00	84.6	78.4
[1 1 1]	(2 2 0)	(1 -3 4)	6.43	1.29	5.00	83.9	78.4
[2 2 1]	(2 2 0)	(1 3 4)	6.43	1.29	5.00	78.3	84.1
[4 4 1]	(2 2 0)	(3 2 4)	6.43	1.28	5.03	75.7	87.1
[4 4 5]	(2 2 0)	(3 -2 4)	6.43	1.28	5.03	87.6	75.6
[4 4 1]	(2 2 0)	(2 3 4)	6.43	1.28	5.04	75.5	87.1
[4 4 5]	(2 2 0)	(2 -3 4)	6.43	1.28	5.04	86.7	75.6
[4 4 3]	(2 2 0)	(4 1 4)	6.43	1.27	5.08	76.0	81.3
[4 4 5]	(2 2 0)	(4 -1 4)	6.43	1.27	5.08	82.0	75.6
[4 4 3]	(2 2 0)	(1 4 4)	6.43	1.26	5.09	75.5	81.3
[4 4 5]	(2 2 0)	(1 -4 4)	6.43	1.26	5.09	81.1	75.6
[1 1 0]	(2 2 0)	(3 3 4)	6.43	1.26	5.10	72.9	90.0
[2 2 3]	(2 2 0)	(3 -3 4)	6.43	1.26	5.10	89.4	72.9
[1 1 3]	(2 2 0)	(1 10 3)	6.43	1.25	5.14	56.6	58.4
[3 2 3]	(2 3 0)	(1 0 1)	5.01	5.08	.99	81.4	76.5
[3 2 2]	(2 3 0)	(0 1 1)	5.01	5.06	.99	76.2	80.9
[3 2 5]	(2 3 0)	(1 -1 1)	5.01	4.88	1.03	85.1	68.2
[3 2 1]	(2 3 0)	(1 1 1)	5.01	4.88	1.03	68.1	85.4
[3 2 6]	(2 3 0)	(2 0 1)	5.01	4.59	1.09	74.4	64.4
[3 2 4]	(2 3 0)	(2 1 -1)	5.01	4.44	1.13	62.0	72.3
[3 2 8]	(2 3 0)	(2 -1 1)	5.01	4.44	1.13	87.0	57.4
[3 2 1]	(2 3 0)	(1 2 1)	5.01	4.42	1.14	57.0	85.4
[3 2 7]	(2 3 0)	(1 -2 -1)	5.01	4.42	1.14	73.4	60.8
[3 2 2]	(2 3 0)	(2 2 1)	5.01	4.08	1.23	51.5	80.9
[3 2 10]	(2 3 0)	(2 -2 1)	5.01	4.08	1.23	81.7	51.4
[3 2 9]	(2 3 0)	(3 0 1)	5.01	4.01	1.25	69.4	54.3
[3 2 6]	(2 3 0)	(0 3 1)	5.01	3.95	1.27	56.2	64.4
[3 2 7]	(2 3 0)	(3 1 1)	5.01	3.91	1.28	58.1	60.8
[3 2 9]	(2 3 0)	(1 -3 -1)	5.01	3.87	1.30	64.5	54.3
[3 2 3]	(2 3 0)	(1 3 1)	5.01	3.87	1.30	48.9	76.5
[3 2 5]	(2 3 0)	(3 2 1)	5.01	3.66	1.37	48.3	68.2
[3 2 0]	(2 3 0)	(2 3 1)	5.01	3.64	1.38	43.5	90.0
[3 2 10]	(2 3 0)	(4 1 1)	5.01	3.42	1.47	55.9	51.4
[3 2 5]	(2 3 0)	(1 4 1)	5.01	3.36	1.49	43.2	68.2
[3 2 3]	(2 3 0)	(3 3 1)	5.01	3.33	1.51	40.4	76.5
[3 2 8]	(2 3 0)	(4 2 1)	5.01	3.24	1.55	46.8	57.4
[3 2 10]	(2 3 0)	(0 -5 1)	5.01	2.96	1.69	45.9	51.4
[6 4 3]	(2 3 0)	(1 0 -2)	5.01	2.61	1.92	85.6	83.2
[6 4 5]	(2 3 0)	(1 -1 2)	5.01	2.59	1.94	87.4	78.7
[6 4 1]	(2 3 0)	(1 1 2)	5.01	2.59	1.94	78.6	87.7
[3 2 2]	(2 3 0)	(2 1 -2)	5.01	2.51	1.99	74.6	80.9
[3 2 4]	(2 3 0)	(2 -1 2)	5.01	2.51	1.99	88.3	72.3
[6 4 1]	(2 3 0)	(1 2 2)	5.01	2.51	2.00	72.0	87.7

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[6 4 7]	(2 3 0)	(1 -2 2)	5.01	2.51	2.00	80.7	74.4
[6 4 9]	(2 3 0)	(3 0 2)	5.01	2.43	2.07	77.7	70.2
[6 4 7]	(2 3 0)	(3 1 2)	5.01	2.40	2.08	71.1	74.4
[6 4 3]	(2 3 0)	(1 3 2)	5.01	2.39	2.09	66.0	83.2
[6 4 9]	(2 3 0)	(1 -3 -2)	5.01	2.39	2.09	74.5	70.2
[6 4 5]	(2 3 0)	(3 2 2)	5.01	2.34	2.14	64.8	78.7
[3 2 6]	(2 3 0)	(2 -3 2)	5.01	2.34	2.15	78.9	64.4
[3 2 0]	(2 3 0)	(2 3 -2)	5.01	2.34	2.15	62.2	90.0
[3 2 5]	(2 3 0)	(4 1 2)	5.01	2.27	2.20	68.1	68.2
[3 2 7]	(2 3 0)	(4 -1 2)	5.01	2.27	2.20	80.8	60.8
[6 4 5]	(2 3 0)	(1 4 2)	5.01	2.26	2.22	60.7	78.7
[6 4 3]	(2 3 0)	(3 3 2)	5.01	2.25	2.23	59.1	83.2
[3 2 3]	(2 3 0)	(4 3 -2)	5.01	2.14	2.34	56.5	76.5
[3 2 9]	(2 3 0)	(4 -3 2)	5.01	2.14	2.34	87.1	54.3
[6 4 1]	(2 3 0)	(3 4 -2)	5.01	2.13	2.35	54.0	87.7
[6 4 7]	(2 3 0)	(1 5 2)	5.01	2.11	2.38	56.1	74.4
[3 2 2]	(2 3 0)	(2 5 2)	5.01	2.07	2.42	52.6	80.9
[3 2 8]	(2 3 0)	(2 -5 2)	5.01	2.07	2.42	68.6	57.4
[6 4 1]	(2 3 0)	(3 5 2)	5.01	2.01	2.50	49.6	87.7
[6 4 9]	(2 3 0)	(1 6 2)	5.01	1.97	2.55	52.3	70.2
[3 2 1]	(2 3 0)	(4 5 -2)	5.01	1.93	2.60	47.2	85.4
[6 4 3]	(2 3 0)	(3 6 -2)	5.01	1.88	2.66	45.9	83.2
[3 2 4]	(2 3 0)	(2 7 2)	5.01	1.80	2.78	45.8	72.3
[3 2 10]	(2 3 0)	(2 -7 2)	5.01	1.80	2.78	60.9	51.4
[6 4 5]	(2 3 0)	(3 7 2)	5.01	1.76	2.85	42.8	78.7
[3 2 1]	(2 3 0)	(1 0 3)	5.01	1.75	2.86	87.1	85.4
[9 6 2]	(2 3 0)	(0 -1 3)	5.01	1.75	2.86	85.3	86.9
[9 6 1]	(2 3 0)	(1 1 3)	5.01	1.74	2.88	82.4	88.5
[9 6 5]	(2 3 0)	(1 -1 -3)	5.01	1.74	2.88	88.2	82.4
[3 2 2]	(2 3 0)	(2 0 3)	5.01	1.73	2.90	84.2	80.9
[9 6 8]	(2 3 0)	(2 -1 3)	5.01	1.72	2.91	88.9	78.0
[9 6 4]	(2 3 0)	(2 1 3)	5.01	1.72	2.91	79.5	83.9
[9 6 1]	(2 3 0)	(1 2 3)	5.01	1.72	2.92	77.8	88.5
[9 6 7]	(2 3 0)	(1 -2 3)	5.01	1.72	2.92	83.6	79.4
[9 6 10]	(2 3 0)	(2 -2 -3)	5.01	1.70	2.95	86.6	75.1
[9 6 2]	(2 3 0)	(2 2 3)	5.01	1.70	2.95	75.0	86.9
[9 6 7]	(2 3 0)	(3 1 3)	5.01	1.68	2.98	76.9	79.4
[3 2 1]	(2 3 0)	(1 3 3)	5.01	1.68	2.98	73.4	85.4
[3 2 3]	(2 3 0)	(1 -3 3)	5.01	1.68	2.98	79.2	76.5
[9 6 5]	(2 3 0)	(3 2 3)	5.01	1.66	3.02	72.4	82.4
[3 2 0]	(2 3 0)	(2 3 3)	5.01	1.66	3.02	70.7	90.0
[3 2 4]	(2 3 0)	(2 -3 -3)	5.01	1.66	3.02	82.2	72.3
[6 4 7]	(2 3 0)	(3 8 2)	5.01	1.65	3.05	40.3	74.4
[3 2 4]	(2 3 0)	(4 0 3)	5.01	1.64	3.05	78.9	72.3
[9 6 10]	(2 3 0)	(4 1 3)	5.01	1.64	3.06	74.4	75.1

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok l)]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[9 6 5]	(2 3 0)	(1 4 3)	5.01	1.63	3.07	69.3	82.4
[9 6 8]	(2 3 0)	(4 2 3)	5.01	1.62	3.10	70.0	78.0
[9 6 2]	(2 3 0)	(2 4 3)	5.01	1.61	3.11	66.6	86.9
[3 2 2]	(2 3 0)	(4 3 3)	5.01	1.59	3.16	65.8	80.9
[3 2 6]	(2 3 0)	(4 -3 -3)	5.01	1.59	3.16	87.9	64.4
[9 6 1]	(2 3 0)	(3 4 3)	5.01	1.58	3.17	64.1	88.5
[9 6 10]	(2 3 0)	(0 5 3)	5.01	1.58	3.17	68.2	75.1
[9 6 7]	(2 3 0)	(1 5 3)	5.01	1.57	3.19	65.4	79.4
[3 2 6]	(2 3 0)	(2 9 2)	5.01	1.57	3.20	41.1	64.4
[9 6 4]	(2 3 0)	(2 5 3)	5.01	1.56	3.22	62.8	83.9
[9 6 4]	(2 3 0)	(4 4 3)	5.01	1.54	3.25	61.9	83.9
[9 6 1]	(2 3 0)	(3 5 3)	5.01	1.53	3.28	60.4	88.5
[3 2 3]	(2 3 0)	(1 6 3)	5.01	1.51	3.32	62.0	76.5
[3 2 5]	(2 3 0)	(1 -6 -3)	5.01	1.51	3.32	67.6	68.2
[3 2 2]	(2 3 0)	(2 6 3)	5.01	1.50	3.35	59.4	80.9
[3 2 6]	(2 3 0)	(2 -6 -3)	5.01	1.50	3.35	70.5	64.4
[9 6 2]	(2 3 0)	(4 5 -3)	5.01	1.49	3.35	58.3	86.9
[3 2 8]	(2 3 0)	(4 -6 3)	5.01	1.44	3.48	76.3	57.4
[9 6 8]	(2 3 0)	(2 7 3)	5.01	1.43	3.50	56.3	78.0
[9 6 5]	(2 3 0)	(3 7 3)	5.01	1.41	3.55	54.0	82.4
[9 6 10]	(2 3 0)	(2 8 3)	5.01	1.37	3.66	53.6	75.1
[9 6 7]	(2 3 0)	(3 8 3)	5.01	1.35	3.71	51.3	79.4
[3 2 5]	(2 3 0)	(1 9 3)	5.01	1.31	3.81	53.6	68.2
[3 2 1]	(2 3 0)	(0 2 4)	5.01	1.31	3.84	83.0	85.4
[3 2 4]	(2 3 0)	(2 9 -3)	5.01	1.30	3.84	51.1	72.3
[3 2 1]	(2 3 0)	(2 1 4)	5.01	1.30	3.85	82.1	85.4
[3 2 2]	(2 3 0)	(2 -1 4)	5.01	1.30	3.85	89.1	80.9
[3 2 0]	(2 3 0)	(2 3 4)	5.01	1.28	3.93	75.3	90.0
[3 2 3]	(2 3 0)	(2 -3 4)	5.01	1.28	3.93	84.0	76.5
[6 4 5]	(2 3 0)	(4 1 4)	5.01	1.27	3.96	78.0	78.7
[6 4 7]	(2 3 0)	(4 -1 4)	5.01	1.27	3.96	84.9	74.4
[1 4 1]	(4 1 0)	(1 0 1)	4.48	5.08	.88	74.6	85.9
[1 4 4]	(4 1 0)	(0 1 1)	4.48	5.06	.88	85.9	74.1
[1 4 5]	(4 1 0)	(1 -1 1)	4.48	4.88	.92	79.2	70.4
[1 4 3]	(4 1 0)	(1 1 1)	4.48	4.88	.92	71.1	77.9
[1 4 2]	(4 1 0)	(2 0 1)	4.48	4.59	.98	61.3	81.9
[1 4 2]	(4 1 0)	(2 1 -1)	4.48	4.44	1.01	58.2	81.9
[1 4 6]	(4 1 0)	(2 -1 1)	4.48	4.44	1.01	66.2	66.8
[1 4 7]	(4 1 0)	(1 2 1)	4.48	4.42	1.01	69.2	63.4
[1 4 9]	(4 1 0)	(1 -2 -1)	4.48	4.42	1.01	83.8	57.3
[1 4 6]	(4 1 0)	(2 2 1)	4.48	4.08	1.10	57.2	66.8
[1 4 10]	(4 1 0)	(2 -2 1)	4.48	4.08	1.10	71.8	54.5
[1 4 3]	(4 1 0)	(3 0 1)	4.48	4.01	1.12	51.0	77.9
[1 4 1]	(4 1 0)	(3 1 1)	4.48	3.91	1.14	48.0	85.9

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 4 7]	(4 1 0)	(3 -1 1)	4.48	3.91	1.14	56.0	63.4
[1 4 5]	(4 1 0)	(3 2 1)	4.48	3.66	1.22	47.4	70.4
[1 4 10]	(4 1 0)	(2 3 1)	4.48	3.64	1.23	57.8	54.5
[1 4 4]	(4 1 0)	(4 0 -1)	4.48	3.48	1.29	43.3	74.1
[1 4 0]	(4 1 0)	(4 1 1)	4.48	3.42	1.31	40.3	90.0
[1 4 8]	(4 1 0)	(4 -1 1)	4.48	3.42	1.31	48.1	60.3
[1 4 9]	(4 1 0)	(3 3 1)	4.48	3.33	1.35	48.5	57.3
[1 4 8]	(4 1 0)	(4 3 1)	4.48	3.01	1.49	41.0	60.3
[2 8 1]	(4 1 0)	(1 0 -2)	4.48	2.61	1.71	82.1	88.0
[2 8 5]	(4 1 0)	(1 -1 2)	4.48	2.59	1.73	84.3	79.9
[2 8 3]	(4 1 0)	(1 1 2)	4.48	2.59	1.73	80.1	83.9
[1 4 1]	(4 1 0)	(2 1 -2)	4.48	2.51	1.78	72.6	85.9
[1 4 3]	(4 1 0)	(2 -1 2)	4.48	2.51	1.78	76.8	77.9
[2 8 7]	(4 1 0)	(1 2 2)	4.48	2.51	1.78	78.4	76.0
[2 8 9]	(4 1 0)	(1 -2 2)	4.48	2.51	1.78	86.5	72.2
[2 8 3]	(4 1 0)	(3 0 2)	4.48	2.43	1.85	67.6	83.9
[2 8 1]	(4 1 0)	(3 1 2)	4.48	2.40	1.86	65.7	88.0
[2 8 7]	(4 1 0)	(3 -1 2)	4.48	2.40	1.86	69.9	76.0
[2 8 5]	(4 1 0)	(3 2 2)	4.48	2.34	1.91	64.3	79.9
[1 4 7]	(4 1 0)	(2 -3 2)	4.48	2.34	1.92	81.6	63.4
[1 4 5]	(4 1 0)	(2 3 -2)	4.48	2.34	1.92	70.0	70.4
[1 4 0]	(4 1 0)	(4 1 2)	4.48	2.27	1.97	59.5	90.0
[1 4 4]	(4 1 0)	(4 -1 2)	4.48	2.27	1.97	63.6	74.1
[2 8 9]	(4 1 0)	(3 3 2)	4.48	2.25	1.99	63.4	72.2
[1 4 4]	(4 1 0)	(4 3 -2)	4.48	2.14	2.09	57.5	74.1
[1 4 8]	(4 1 0)	(4 -3 2)	4.48	2.14	2.09	69.0	60.3
[1 4 9]	(4 1 0)	(2 5 2)	4.48	2.07	2.16	68.8	57.3
[1 4 8]	(4 1 0)	(4 5 -2)	4.48	1.93	2.32	57.4	60.3
[1 4 1]	(4 1 0)	(1 1 3)	4.48	1.74	2.57	83.4	85.9
[1 4 2]	(4 1 0)	(2 -1 3)	4.48	1.72	2.60	81.0	81.9
[1 4 3]	(4 1 0)	(1 -2 3)	4.48	1.72	2.60	87.6	77.9
[1 4 2]	(4 1 0)	(2 2 3)	4.48	1.70	2.64	77.0	81.9
[1 4 0]	(4 1 0)	(4 1 3)	4.48	1.64	2.73	68.5	90.0
[1 4 5]	(4 1 0)	(1 4 3)	4.48	1.63	2.74	79.8	70.4
[1 4 4]	(4 1 0)	(4 -2 3)	4.48	1.62	2.77	72.9	74.1
[1 4 6]	(4 1 0)	(2 -4 3)	4.48	1.61	2.78	85.5	66.8
[1 4 7]	(4 1 0)	(1 -5 3)	4.48	1.57	2.85	88.4	63.4
[1 4 6]	(4 1 0)	(2 5 3)	4.48	1.56	2.88	74.2	66.8
[1 4 4]	(4 1 0)	(4 4 3)	4.48	1.54	2.90	65.8	74.1
[1 4 8]	(4 1 0)	(4 -5 3)	4.48	1.49	3.00	78.0	60.3
[1 4 9]	(4 1 0)	(1 7 -3)	4.48	1.45	3.10	77.5	57.3
[1 4 10]	(4 1 0)	(2 -7 3)	4.48	1.43	3.13	89.4	54.5
[1 4 10]	(4 1 0)	(2 8 3)	4.48	1.37	3.27	72.8	54.5
[1 4 2]	(4 1 0)	(0 2 4)	4.48	1.31	3.43	87.9	81.9
[2 8 1]	(4 1 0)	(2 1 4)	4.48	1.30	3.44	81.1	88.0

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok)]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[2 8 3]	(4 1 0)	(2 -1 4)	4.48	1.30	3.44	83.2	83.9
[2 8 5]	(4 1 0)	(2 3 4)	4.48	1.28	3.51	79.2	79.9
[2 8 7]	(4 1 0)	(2 -3 4)	4.48	1.28	3.51	85.4	76.0
[1 4 0]	(4 1 0)	(4 1 4)	4.48	1.27	3.54	73.6	90.0
[1 4 2]	(4 1 0)	(4 -1 4)	4.48	1.27	3.54	75.7	81.9
[2 1 2]	(2 4 0)	(1 0 1)	4.03	5.08	.79	83.1	75.6
[2 1 1]	(2 4 0)	(0 1 1)	4.03	5.06	.80	75.2	82.7
[2 1 3]	(2 4 0)	(1 -1 1)	4.03	4.88	.82	82.5	68.9
[2 1 1]	(2 4 0)	(1 1 1)	4.03	4.88	.82	68.9	82.7
[2 1 4]	(2 4 0)	(2 0 1)	4.03	4.59	.88	77.5	62.8
[2 1 3]	(2 4 0)	(2 1 -1)	4.03	4.44	.91	64.4	68.9
[2 1 5]	(2 4 0)	(2 -1 1)	4.03	4.44	.91	89.2	57.3
[2 1 0]	(2 4 0)	(1 2 1)	4.03	4.42	.91	56.8	90.0
[2 1 4]	(2 4 0)	(1 -2 -1)	4.03	4.42	.91	70.1	62.8
[2 1 2]	(2 4 0)	(2 2 1)	4.03	4.08	.99	52.9	75.6
[2 1 6]	(2 4 0)	(2 -2 1)	4.03	4.08	.99	77.4	52.4
[2 1 6]	(2 4 0)	(3 0 1)	4.03	4.01	1.00	73.5	52.4
[2 1 3]	(2 4 0)	(0 3 1)	4.03	3.95	1.02	53.4	68.9
[2 1 5]	(2 4 0)	(3 1 1)	4.03	3.91	1.03	61.8	57.3
[2 1 5]	(2 4 0)	(1 -3 -1)	4.03	3.87	1.04	60.5	57.3
[2 1 1]	(2 4 0)	(1 3 1)	4.03	3.87	1.04	47.6	82.7
[2 1 4]	(2 4 0)	(3 2 1)	4.03	3.66	1.10	51.2	62.8
[2 1 1]	(2 4 0)	(2 3 1)	4.03	3.64	1.11	44.0	82.7
[2 1 6]	(2 4 0)	(1 -4 -1)	4.03	3.36	1.20	53.4	52.4
[2 1 2]	(2 4 0)	(1 4 1)	4.03	3.36	1.20	41.0	75.6
[2 1 3]	(2 4 0)	(3 3 1)	4.03	3.33	1.21	42.5	68.9
[2 1 6]	(2 4 0)	(4 2 1)	4.03	3.24	1.24	50.8	52.4
[2 1 5]	(2 4 0)	(4 3 1)	4.03	3.01	1.34	42.6	57.3
[2 1 5]	(2 4 0)	(0 -5 1)	4.03	2.96	1.36	41.8	57.3
[2 1 1]	(2 4 0)	(1 0 -2)	4.03	2.61	1.54	86.5	82.7
[4 2 3]	(2 4 0)	(1 -1 2)	4.03	2.59	1.56	86.0	79.1
[4 2 1]	(2 4 0)	(1 1 2)	4.03	2.59	1.56	79.0	86.3
[4 2 3]	(2 4 0)	(2 1 -2)	4.03	2.51	1.60	75.8	79.1
[4 2 5]	(2 4 0)	(2 -1 2)	4.03	2.51	1.60	89.5	72.2
[2 1 0]	(2 4 0)	(1 2 2)	4.03	2.51	1.61	71.9	90.0
[2 1 2]	(2 4 0)	(1 -2 2)	4.03	2.51	1.61	78.9	75.6
[2 1 3]	(2 4 0)	(3 0 2)	4.03	2.43	1.66	80.1	68.9
[4 2 5]	(2 4 0)	(3 1 2)	4.03	2.40	1.68	73.1	72.2
[4 2 7]	(2 4 0)	(3 -1 2)	4.03	2.40	1.68	87.2	65.8
[4 2 1]	(2 4 0)	(1 3 2)	4.03	2.39	1.68	65.3	86.3
[4 2 5]	(2 4 0)	(1 -3 -2)	4.03	2.39	1.68	72.3	72.2
[2 1 2]	(2 4 0)	(3 2 2)	4.03	2.34	1.72	66.4	75.6
[2 1 4]	(2 4 0)	(3 -2 -2)	4.03	2.34	1.72	86.0	62.8
[4 2 7]	(2 4 0)	(2 -3 2)	4.03	2.34	1.72	76.0	65.8

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[4 2 1]	(2 4 0)	(2 3 -2)	4.03	2.34	1.72	62.5	86.3
[4 2 7]	(2 4 0)	(4 1 2)	4.03	2.27	1.77	70.8	65.8
[4 2 9]	(2 4 0)	(4 -1 2)	4.03	2.27	1.77	84.3	60.0
[2 1 3]	(2 4 0)	(1 -4 -2)	4.03	2.26	1.78	66.4	68.9
[2 1 1]	(2 4 0)	(1 4 2)	4.03	2.26	1.78	59.5	82.7
[4 2 9]	(2 4 0)	(3 -3 -2)	4.03	2.25	1.79	79.6	60.0
[4 2 3]	(2 4 0)	(3 3 2)	4.03	2.25	1.79	60.1	79.1
[4 2 5]	(2 4 0)	(4 3 -2)	4.03	2.14	1.88	58.4	72.2
[2 1 1]	(2 4 0)	(3 4 -2)	4.03	2.13	1.89	54.6	82.7
[2 1 5]	(2 4 0)	(3 -4 2)	4.03	2.13	1.89	73.8	57.3
[4 2 3]	(2 4 0)	(1 5 2)	4.03	2.11	1.91	54.5	79.1
[4 2 7]	(2 4 0)	(1 -5 2)	4.03	2.11	1.91	61.2	65.8
[4 2 1]	(2 4 0)	(2 5 2)	4.03	2.07	1.95	51.8	86.3
[4 2 9]	(2 4 0)	(2 -5 2)	4.03	2.07	1.95	65.0	60.0
[4 2 1]	(2 4 0)	(3 5 2)	4.03	2.01	2.01	49.7	86.3
[2 1 2]	(2 4 0)	(1 6 2)	4.03	1.97	2.05	50.2	75.6
[2 1 4]	(2 4 0)	(1 -6 2)	4.03	1.97	2.05	56.8	62.8
[4 2 3]	(2 4 0)	(4 5 -2)	4.03	1.93	2.09	48.1	79.1
[2 1 0]	(2 4 0)	(3 6 -2)	4.03	1.88	2.14	45.5	90.0
[2 1 6]	(2 4 0)	(3 -6 2)	4.03	1.88	2.14	64.2	52.4
[4 2 9]	(2 4 0)	(1 -7 2)	4.03	1.83	2.20	53.1	60.0
[4 2 5]	(2 4 0)	(1 7 2)	4.03	1.83	2.20	46.6	72.2
[4 2 3]	(2 4 0)	(2 7 2)	4.03	1.80	2.24	44.0	79.1
[4 2 1]	(2 4 0)	(3 7 2)	4.03	1.76	2.29	41.9	86.3
[6 3 2]	(2 4 0)	(1 0 3)	4.03	1.75	2.30	87.6	85.1
[6 3 1]	(2 4 0)	(0 -1 3)	4.03	1.75	2.30	84.9	87.5
[6 3 1]	(2 4 0)	(1 1 3)	4.03	1.74	2.31	82.6	87.5
[2 1 1]	(2 4 0)	(1 -1 -3)	4.03	1.74	2.31	87.3	82.7
[6 3 4]	(2 4 0)	(2 0 3)	4.03	1.73	2.33	85.3	80.3
[6 3 5]	(2 4 0)	(2 -1 3)	4.03	1.72	2.34	89.7	77.9
[2 1 1]	(2 4 0)	(2 1 3)	4.03	1.72	2.34	80.4	82.7
[2 1 0]	(2 4 0)	(1 2 3)	4.03	1.72	2.34	77.7	90.0
[6 3 4]	(2 4 0)	(1 -2 3)	4.03	1.72	2.34	82.4	80.3
[2 1 5]	(2 4 0)	(1 -8 2)	4.03	1.70	2.37	49.9	57.3
[2 1 3]	(2 4 0)	(1 8 2)	4.03	1.70	2.37	43.6	68.9
[2 1 2]	(2 4 0)	(2 -2 -3)	4.03	1.70	2.37	84.8	75.6
[6 3 2]	(2 4 0)	(2 2 3)	4.03	1.70	2.37	75.5	85.1
[6 3 5]	(2 4 0)	(3 1 3)	4.03	1.68	2.39	78.2	77.9
[6 3 7]	(2 4 0)	(3 -1 3)	4.03	1.68	2.39	88.0	73.3
[6 3 1]	(2 4 0)	(1 3 3)	4.03	1.68	2.40	73.0	87.5
[6 3 5]	(2 4 0)	(1 -3 3)	4.03	1.68	2.40	77.6	77.9
[6 3 4]	(2 4 0)	(3 2 3)	4.03	1.66	2.42	73.5	80.3
[6 3 8]	(2 4 0)	(3 -2 3)	4.03	1.66	2.42	87.1	71.1
[6 3 1]	(2 4 0)	(2 3 3)	4.03	1.66	2.43	70.8	87.5
[6 3 7]	(2 4 0)	(2 -3 -3)	4.03	1.66	2.43	80.1	73.3

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok)]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[6 3 8]	(2 4 0)	(4 0 3)	4.03	1.64	2.45	81.1	71.1
[6 3 7]	(2 4 0)	(4 1 3)	4.03	1.64	2.46	76.3	73.3
[2 1 3]	(2 4 0)	(4 -1 3)	4.03	1.64	2.46	85.9	68.9
[6 3 2]	(2 4 0)	(1 4 3)	4.03	1.63	2.47	68.5	85.1
[2 1 2]	(2 4 0)	(1 -4 -3)	4.03	1.63	2.47	73.2	75.6
[2 1 2]	(2 4 0)	(4 2 3)	4.03	1.62	2.49	71.6	75.6
[6 3 10]	(2 4 0)	(4 -2 3)	4.03	1.62	2.49	89.4	66.8
[2 1 0]	(2 4 0)	(2 4 3)	4.03	1.61	2.50	66.4	90.0
[6 3 8]	(2 4 0)	(2 -4 3)	4.03	1.61	2.50	75.6	71.1
[6 3 5]	(2 4 0)	(4 3 3)	4.03	1.59	2.54	67.1	77.9
[6 3 2]	(2 4 0)	(3 4 3)	4.03	1.58	2.54	64.5	85.1
[6 3 10]	(2 4 0)	(3 -4 3)	4.03	1.58	2.54	78.1	66.8
[4 2 7]	(2 4 0)	(1 9 2)	4.03	1.58	2.55	41.1	65.8
[6 3 5]	(2 4 0)	(0 5 3)	4.03	1.58	2.55	66.6	77.9
[2 1 1]	(2 4 0)	(1 5 3)	4.03	1.57	2.56	64.4	82.7
[6 3 7]	(2 4 0)	(1 -5 3)	4.03	1.57	2.56	69.0	73.3
[6 3 1]	(2 4 0)	(2 5 3)	4.03	1.56	2.59	62.3	87.5
[2 1 3]	(2 4 0)	(2 -5 -3)	4.03	1.56	2.59	71.4	68.9
[6 3 4]	(2 4 0)	(4 4 3)	4.03	1.54	2.61	62.9	80.3
[2 1 4]	(2 4 0)	(4 -4 3)	4.03	1.54	2.61	80.5	62.8
[6 3 1]	(2 4 0)	(3 5 3)	4.03	1.53	2.63	60.5	87.5
[6 3 4]	(2 4 0)	(1 6 3)	4.03	1.51	2.67	60.6	80.3
[6 3 8]	(2 4 0)	(1 -6 -3)	4.03	1.51	2.67	65.1	71.1
[6 3 2]	(2 4 0)	(2 6 3)	4.03	1.50	2.69	58.5	85.1
[6 3 10]	(2 4 0)	(2 -6 -3)	4.03	1.50	2.69	67.6	66.8
[2 1 1]	(2 4 0)	(4 5 -3)	4.03	1.49	2.70	58.9	82.7
[6 3 7]	(2 4 0)	(0 7 3)	4.03	1.45	2.78	59.3	73.3
[6 3 5]	(2 4 0)	(1 7 -3)	4.03	1.45	2.79	57.1	77.9
[2 1 3]	(2 4 0)	(1 -7 3)	4.03	1.45	2.79	61.7	68.9
[2 1 1]	(2 4 0)	(2 7 3)	4.03	1.43	2.81	55.1	82.7
[6 3 1]	(2 4 0)	(3 7 3)	4.03	1.41	2.85	53.4	87.5
[2 1 5]	(2 4 0)	(4 -7 -3)	4.03	1.38	2.91	69.1	57.3
[6 3 10]	(2 4 0)	(1 -8 -3)	4.03	1.38	2.92	58.5	66.8
[2 1 2]	(2 4 0)	(1 8 3)	4.03	1.38	2.92	54.0	75.6
[6 3 4]	(2 4 0)	(2 8 3)	4.03	1.37	2.94	52.1	80.3
[2 1 4]	(2 4 0)	(2 -8 3)	4.03	1.37	2.94	60.9	62.8
[6 3 2]	(2 4 0)	(3 8 3)	4.03	1.35	2.98	50.3	85.1
[4 2 1]	(2 4 0)	(1 0 4)	4.03	1.32	3.06	88.2	86.3
[6 3 7]	(2 4 0)	(1 9 3)	4.03	1.31	3.06	51.2	73.3
[8 4 1]	(2 4 0)	(1 1 4)	4.03	1.31	3.07	84.4	88.2
[8 4 3]	(2 4 0)	(1 -1 4)	4.03	1.31	3.07	88.0	84.5
[4 2 1]	(2 4 0)	(0 2 4)	4.03	1.31	3.08	82.5	86.3
[6 3 5]	(2 4 0)	(2 9 -3)	4.03	1.30	3.09	49.3	77.9
[8 4 3]	(2 4 0)	(2 1 4)	4.03	1.30	3.09	82.7	84.5
[8 4 5]	(2 4 0)	(2 -1 4)	4.03	1.30	3.09	89.8	80.9

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[2 1 0]	(2 4 0)	(1 2 4)	4.03	1.30	3.09	80.7	90.0
[2 1 1]	(2 4 0)	(1 -2 4)	4.03	1.30	3.09	84.2	82.7
[4 2 3]	(2 4 0)	(3 0 4)	4.03	1.29	3.12	84.8	79.1
[8 4 5]	(2 4 0)	(3 1 4)	4.03	1.29	3.13	81.0	80.9
[8 4 7]	(2 4 0)	(3 -1 4)	4.03	1.29	3.13	88.5	77.3
[8 4 5]	(2 4 0)	(1 -3 4)	4.03	1.29	3.13	80.6	80.9
[8 4 1]	(2 4 0)	(1 3 4)	4.03	1.29	3.13	77.0	88.2
[2 1 1]	(2 4 0)	(3 2 4)	4.03	1.28	3.15	77.4	82.7
[2 1 2]	(2 4 0)	(3 -2 4)	4.03	1.28	3.15	87.8	75.6
[8 4 1]	(2 4 0)	(2 3 4)	4.03	1.28	3.16	75.4	88.2
[8 4 7]	(2 4 0)	(2 -3 4)	4.03	1.28	3.16	82.4	77.3
[8 4 7]	(2 4 0)	(4 1 4)	4.03	1.27	3.18	79.5	77.3
[8 4 9]	(2 4 0)	(4 -1 4)	4.03	1.27	3.18	86.8	73.9
[4 2 1]	(2 4 0)	(1 4 4)	4.03	1.26	3.19	73.5	86.3
[4 2 3]	(2 4 0)	(1 -4 4)	4.03	1.26	3.19	77.0	79.1
[8 4 3]	(2 4 0)	(3 3 4)	4.03	1.26	3.19	73.8	84.5
[8 4 9]	(2 4 0)	(3 -3 4)	4.03	1.26	3.19	84.2	73.9
[6 3 8]	(2 4 0)	(1 10 3)	4.03	1.25	3.22	48.8	71.1
[3 4 3]	(4 3 0)	(1 0 1)	3.66	5.08	.72	77.5	80.1
[3 4 4]	(4 3 0)	(0 1 1)	3.66	5.06	.72	80.0	76.9
[3 4 7]	(4 3 0)	(1 -1 1)	3.66	4.88	.75	87.6	67.8
[3 4 1]	(4 3 0)	(1 1 1)	3.66	4.88	.75	67.9	86.7
[3 4 6]	(4 3 0)	(2 0 1)	3.66	4.59	.80	66.9	70.7
[3 4 2]	(4 3 0)	(2 1 -1)	3.66	4.44	.82	57.9	83.4
[3 4 10]	(4 3 0)	(2 -1 1)	3.66	4.44	.82	76.8	59.8
[3 4 5]	(4 3 0)	(1 2 1)	3.66	4.42	.83	60.6	73.8
[3 4 2]	(4 3 0)	(2 2 1)	3.66	4.08	.90	51.1	83.4
[3 4 9]	(4 3 0)	(3 0 1)	3.66	4.01	.91	59.1	62.3
[3 4 5]	(4 3 0)	(3 1 1)	3.66	3.91	.93	50.5	73.8
[3 4 9]	(4 3 0)	(1 3 1)	3.66	3.87	.95	55.8	62.3
[3 4 1]	(4 3 0)	(3 2 1)	3.66	3.66	1.00	44.0	86.7
[3 4 6]	(4 3 0)	(2 3 1)	3.66	3.64	1.01	46.8	70.7
[3 4 8]	(4 3 0)	(4 1 1)	3.66	3.42	1.07	45.5	65.0
[3 4 10]	(4 3 0)	(2 4 1)	3.66	3.20	1.14	44.6	59.8
[6 8 3]	(4 3 0)	(1 0 -2)	3.66	2.61	1.40	83.6	85.0
[6 8 7]	(4 3 0)	(1 -1 2)	3.66	2.59	1.41	88.7	78.5
[6 8 1]	(4 3 0)	(1 1 2)	3.66	2.59	1.41	78.5	88.3
[3 4 1]	(4 3 0)	(2 1 -2)	3.66	2.51	1.45	72.5	86.7
[3 4 5]	(4 3 0)	(2 -1 2)	3.66	2.51	1.45	82.6	73.8
[6 8 5]	(4 3 0)	(1 2 2)	3.66	2.51	1.46	73.8	81.7
[6 8 9]	(4 3 0)	(3 0 2)	3.66	2.43	1.51	71.9	75.3
[6 8 5]	(4 3 0)	(3 1 2)	3.66	2.40	1.52	67.0	81.7
[6 8 9]	(4 3 0)	(1 3 2)	3.66	2.39	1.53	69.6	75.3
[6 8 1]	(4 3 0)	(3 2 2)	3.66	2.34	1.56	62.6	88.3

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 4 9]	(4 3 0)	(2 -3 2)	3.66	2.34	1.56	87.7	62.3
[3 4 3]	(4 3 0)	(2 3 -2)	3.66	2.34	1.56	63.9	80.1
[3 4 4]	(4 3 0)	(4 1 2)	3.66	2.27	1.61	62.2	76.9
[3 4 8]	(4 3 0)	(4 -1 2)	3.66	2.27	1.61	71.9	65.0
[6 8 3]	(4 3 0)	(3 3 2)	3.66	2.25	1.63	58.7	85.0
[3 4 0]	(4 3 0)	(4 3 -2)	3.66	2.14	1.71	54.2	90.0
[6 8 7]	(4 3 0)	(3 4 -2)	3.66	2.13	1.71	55.6	78.5
[3 4 7]	(4 3 0)	(2 5 2)	3.66	2.07	1.77	57.9	67.8
[3 4 4]	(4 3 0)	(4 5 -2)	3.66	1.93	1.89	48.7	76.9
[3 4 1]	(4 3 0)	(1 0 3)	3.66	1.75	2.09	85.7	86.7
[3 4 2]	(4 3 0)	(2 0 3)	3.66	1.73	2.11	81.5	83.4
[3 4 3]	(4 3 0)	(1 3 3)	3.66	1.68	2.17	75.9	80.1
[3 4 5]	(4 3 0)	(1 -3 3)	3.66	1.68	2.17	84.2	73.8
[3 4 2]	(4 3 0)	(2 3 3)	3.66	1.66	2.20	71.8	83.4
[3 4 6]	(4 3 0)	(2 -3 -3)	3.66	1.66	2.20	88.4	70.7
[3 4 4]	(4 3 0)	(4 0 3)	3.66	1.64	2.22	73.7	76.9
[3 4 0]	(4 3 0)	(4 3 3)	3.66	1.59	2.31	64.3	90.0
[3 4 8]	(4 3 0)	(4 -3 -3)	3.66	1.59	2.31	83.8	65.0
[3 4 7]	(4 3 0)	(1 6 3)	3.66	1.51	2.42	68.0	67.8
[3 4 9]	(4 3 0)	(1 -6 -3)	3.66	1.51	2.42	75.8	62.3
[3 4 6]	(4 3 0)	(2 6 3)	3.66	1.50	2.44	64.2	70.7
[3 4 10]	(4 3 0)	(2 -6 -3)	3.66	1.50	2.44	79.7	59.8
[3 4 2]	(4 3 0)	(0 2 4)	3.66	1.31	2.80	84.9	83.4
[3 4 10]	(4 3 0)	(2 9 -3)	3.66	1.30	2.80	59.1	59.8
[6 8 1]	(4 3 0)	(2 1 4)	3.66	1.30	2.80	81.0	88.3
[6 8 5]	(4 3 0)	(2 -1 4)	3.66	1.30	2.80	86.2	81.7
[6 8 3]	(4 3 0)	(2 3 4)	3.66	1.28	2.86	76.1	85.0
[6 8 9]	(4 3 0)	(2 -3 4)	3.66	1.28	2.86	88.7	75.3
[3 4 2]	(4 3 0)	(4 1 4)	3.66	1.27	2.89	74.9	83.4
[3 4 4]	(4 3 0)	(4 -1 4)	3.66	1.27	2.89	80.0	76.9
[5 2 5]	(2 5 0)	(1 0 1)	3.34	5.08	.66	84.3	75.1
[5 2 2]	(2 5 0)	(0 1 1)	3.34	5.06	.66	74.7	83.9
[5 2 7]	(2 5 0)	(1 -1 1)	3.34	4.88	.68	80.8	69.6
[5 2 3]	(2 5 0)	(1 1 1)	3.34	4.88	.68	69.5	80.9
[5 2 10]	(2 5 0)	(2 0 1)	3.34	4.59	.73	79.7	62.0
[5 2 8]	(2 5 0)	(2 1 -1)	3.34	4.44	.75	66.1	66.9
[5 2 1]	(2 5 0)	(1 2 1)	3.34	4.42	.76	56.9	87.0
[5 2 9]	(2 5 0)	(1 -2 -1)	3.34	4.42	.76	68.0	64.4
[5 2 6]	(2 5 0)	(2 2 1)	3.34	4.08	.82	54.2	72.3
[5 2 6]	(2 5 0)	(0 3 1)	3.34	3.95	.84	51.8	72.3
[5 2 1]	(2 5 0)	(1 3 1)	3.34	3.87	.86	47.2	87.0
[5 2 4]	(2 5 0)	(2 3 1)	3.34	3.64	.92	44.8	78.0
[5 2 3]	(2 5 0)	(1 4 1)	3.34	3.36	.99	40.1	80.9
[5 2 9]	(2 5 0)	(3 3 1)	3.34	3.33	1.00	44.3	64.4

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[5 2 10]	(2 5 0)	(0 -5 1)	3.34	2.96	1.13	39.5	62.0
[10 4 5]	(2 5 0)	(1 0 -2)	3.34	2.61	1.28	87.1	82.4
[10 4 7]	(2 5 0)	(1 -1 2)	3.34	2.59	1.29	85.2	79.4
[10 4 3]	(2 5 0)	(1 1 2)	3.34	2.59	1.29	79.3	85.4
[5 2 4]	(2 5 0)	(2 1 -2)	3.34	2.51	1.33	76.8	78.0
[5 2 6]	(2 5 0)	(2 -1 2)	3.34	2.51	1.33	88.1	72.3
[10 4 1]	(2 5 0)	(1 2 2)	3.34	2.51	1.33	71.9	88.5
[10 4 9]	(2 5 0)	(1 -2 2)	3.34	2.51	1.33	77.7	76.5
[10 4 1]	(2 5 0)	(1 3 2)	3.34	2.39	1.39	65.1	88.5
[5 2 8]	(2 5 0)	(2 -3 2)	3.34	2.34	1.43	74.1	66.9
[5 2 2]	(2 5 0)	(2 3 -2)	3.34	2.34	1.43	62.9	83.9
[5 2 9]	(2 5 0)	(4 1 2)	3.34	2.27	1.47	72.8	64.4
[10 4 3]	(2 5 0)	(1 4 2)	3.34	2.26	1.48	59.0	85.4
[10 4 9]	(2 5 0)	(3 3 2)	3.34	2.25	1.49	61.1	76.5
[5 2 7]	(2 5 0)	(4 3 -2)	3.34	2.14	1.56	59.9	69.6
[10 4 7]	(2 5 0)	(3 4 -2)	3.34	2.13	1.56	55.3	79.4
[10 4 5]	(2 5 0)	(1 5 2)	3.34	2.11	1.58	53.8	82.4
[5 2 0]	(2 5 0)	(2 5 2)	3.34	2.07	1.61	51.7	90.0
[5 2 10]	(2 5 0)	(2 -5 2)	3.34	2.07	1.61	62.7	62.0
[10 4 5]	(2 5 0)	(3 5 2)	3.34	2.01	1.66	50.1	82.4
[10 4 7]	(2 5 0)	(1 6 2)	3.34	1.97	1.70	49.2	79.4
[5 2 5]	(2 5 0)	(4 5 -2)	3.34	1.93	1.73	49.2	75.1
[10 4 3]	(2 5 0)	(3 6 -2)	3.34	1.88	1.77	45.7	85.4
[10 4 9]	(2 5 0)	(1 7 2)	3.34	1.83	1.83	45.4	76.5
[5 2 2]	(2 5 0)	(2 7 2)	3.34	1.80	1.85	43.3	83.9
[10 4 1]	(2 5 0)	(3 7 2)	3.34	1.76	1.90	41.8	88.5
[5 2 1]	(2 5 0)	(1 1 3)	3.34	1.74	1.91	82.8	87.0
[5 2 4]	(2 5 0)	(2 -1 3)	3.34	1.72	1.94	88.7	78.0
[5 2 3]	(2 5 0)	(1 -2 3)	3.34	1.72	1.94	81.6	80.9
[5 2 2]	(2 5 0)	(2 2 3)	3.34	1.70	1.97	75.9	83.9
[5 2 6]	(2 5 0)	(4 1 3)	3.34	1.64	2.04	77.7	72.3
[5 2 1]	(2 5 0)	(1 4 3)	3.34	1.63	2.05	68.2	87.0
[5 2 8]	(2 5 0)	(4 -2 3)	3.34	1.62	2.06	87.6	66.9
[5 2 6]	(2 5 0)	(2 -4 3)	3.34	1.61	2.07	74.1	72.3
[5 2 5]	(2 5 0)	(1 -5 3)	3.34	1.57	2.12	67.7	75.1
[5 2 0]	(2 5 0)	(2 5 3)	3.34	1.56	2.14	62.2	90.0
[5 2 4]	(2 5 0)	(4 4 3)	3.34	1.54	2.16	63.8	78.0
[5 2 10]	(2 5 0)	(4 -5 3)	3.34	1.49	2.23	74.2	62.0
[5 2 3]	(2 5 0)	(1 7 -3)	3.34	1.45	2.31	56.3	80.9
[5 2 8]	(2 5 0)	(2 -7 3)	3.34	1.43	2.33	62.2	66.9
[5 2 7]	(2 5 0)	(1 -8 -3)	3.34	1.38	2.42	56.8	69.6
[5 2 2]	(2 5 0)	(2 8 3)	3.34	1.37	2.44	51.4	83.9
[5 2 1]	(2 5 0)	(0 2 4)	3.34	1.31	2.56	82.2	87.0
[5 2 2]	(2 5 0)	(2 1 4)	3.34	1.30	2.56	83.2	83.9
[5 2 3]	(2 5 0)	(2 -1 4)	3.34	1.30	2.56	89.0	80.9

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok)]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[5 2 1]	(2 5 0)	(2 3 4)	3.34	1.28	2.62	75.6	87.0
[5 2 4]	(2 5 0)	(2 -3 4)	3.34	1.28	2.62	81.4	78.0
[10 4 9]	(2 5 0)	(4 1 4)	3.34	1.27	2.64	80.5	76.5
[5 2 5]	(2 5 0)	(1 10 3)	3.34	1.25	2.67	47.4	75.1
[1 6 1]	(6 1 0)	(1 0 1)	3.04	5.08	.60	74.3	87.2
[1 6 6]	(6 1 0)	(0 1 1)	3.04	5.06	.60	87.2	73.8
[1 6 7]	(6 1 0)	(1 -1 1)	3.04	4.88	.62	77.7	71.3
[1 6 5]	(6 1 0)	(1 1 1)	3.04	4.88	.62	72.2	76.4
[1 6 2]	(6 1 0)	(2 0 1)	3.04	4.59	.66	60.8	84.5
[1 6 4]	(6 1 0)	(2 1 -1)	3.04	4.44	.68	59.0	79.0
[1 6 8]	(6 1 0)	(2 -1 1)	3.04	4.44	.68	64.5	68.8
[1 6 10]	(6 1 0)	(2 2 1)	3.04	4.08	.74	59.2	64.2
[1 6 3]	(6 1 0)	(3 0 1)	3.04	4.01	.76	50.1	81.7
[1 6 3]	(6 1 0)	(3 1 1)	3.04	3.91	.78	48.5	81.7
[1 6 9]	(6 1 0)	(3 -1 1)	3.04	3.91	.78	54.0	66.4
[1 6 9]	(6 1 0)	(3 2 1)	3.04	3.66	.83	49.1	66.4
[1 6 4]	(6 1 0)	(4 0 -1)	3.04	3.48	.87	42.2	79.0
[1 6 2]	(6 1 0)	(4 1 1)	3.04	3.42	.89	40.5	84.5
[1 6 10]	(6 1 0)	(4 -1 1)	3.04	3.42	.89	45.9	64.2
[1 6 8]	(6 1 0)	(4 2 1)	3.04	3.24	.94	41.2	68.8
[1 6 2]	(6 1 0)	(2 1 -2)	3.04	2.51	1.21	73.0	84.5
[1 6 4]	(6 1 0)	(2 -1 2)	3.04	2.51	1.21	75.9	79.0
[1 6 10]	(6 1 0)	(2 -3 2)	3.04	2.34	1.30	79.5	64.2
[1 6 8]	(6 1 0)	(2 3 -2)	3.04	2.34	1.30	71.6	68.8
[1 6 1]	(6 1 0)	(4 1 2)	3.04	2.27	1.34	59.6	87.2
[1 6 5]	(6 1 0)	(4 -1 2)	3.04	2.27	1.34	62.4	76.4
[1 6 7]	(6 1 0)	(4 3 -2)	3.04	2.14	1.42	58.9	71.3
[1 6 2]	(6 1 0)	(0 -1 3)	3.04	1.75	1.73	89.0	84.5
[1 6 1]	(6 1 0)	(3 1 3)	3.04	1.68	1.80	73.4	87.2
[1 6 3]	(6 1 0)	(3 -1 3)	3.04	1.68	1.80	75.3	81.7
[1 6 3]	(6 1 0)	(3 2 3)	3.04	1.66	1.83	72.7	81.7
[1 6 5]	(6 1 0)	(3 -2 3)	3.04	1.66	1.83	76.5	76.4
[1 6 7]	(6 1 0)	(3 4 3)	3.04	1.58	1.92	71.8	71.3
[1 6 9]	(6 1 0)	(3 -4 3)	3.04	1.58	1.92	78.9	66.4
[1 6 10]	(6 1 0)	(0 5 3)	3.04	1.58	1.92	85.7	64.2
[1 6 9]	(6 1 0)	(3 5 3)	3.04	1.53	1.99	71.5	66.4
[1 6 3]	(6 1 0)	(0 2 4)	3.04	1.31	2.33	88.6	81.7
[1 6 1]	(6 1 0)	(2 1 4)	3.04	1.30	2.33	81.3	87.2
[1 6 2]	(6 1 0)	(2 -1 4)	3.04	1.30	2.33	82.7	84.5
[1 6 4]	(6 1 0)	(2 3 4)	3.04	1.28	2.38	80.1	79.0
[1 6 5]	(6 1 0)	(2 -3 4)	3.04	1.28	2.38	84.3	76.4
[1 3 1]	(6 2 0)	(1 0 1)	2.92	5.08	.57	75.0	84.7
[1 3 3]	(6 2 0)	(0 1 1)	2.92	5.06	.58	84.7	74.4

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 3 4]	(6 2 0)	(1 -1 1)	2.92	4.88	.60	80.7	69.6
[1 3 2]	(6 2 0)	(1 1 1)	2.92	4.88	.60	70.2	79.5
[1 3 2]	(6 2 0)	(2 0 1)	2.92	4.59	.64	62.1	79.5
[1 3 1]	(6 2 0)	(2 1 -1)	2.92	4.44	.66	57.7	84.7
[1 3 5]	(6 2 0)	(2 -1 1)	2.92	4.44	.66	68.1	65.1
[1 3 5]	(6 2 0)	(1 2 1)	2.92	4.42	.66	67.3	65.1
[1 3 7]	(6 2 0)	(1 -2 -1)	2.92	4.42	.66	86.3	56.9
[1 3 4]	(6 2 0)	(2 2 1)	2.92	4.08	.71	55.6	69.6
[1 3 8]	(6 2 0)	(2 -2 1)	2.92	4.08	.71	74.4	53.4
[1 3 3]	(6 2 0)	(3 0 1)	2.92	4.01	.73	52.1	74.4
[1 3 9]	(6 2 0)	(0 3 1)	2.92	3.95	.74	77.5	50.1
[1 3 0]	(6 2 0)	(3 1 1)	2.92	3.91	.74	47.8	90.0
[1 3 6]	(6 2 0)	(3 -1 1)	2.92	3.91	.74	58.1	60.8
[1 3 8]	(6 2 0)	(1 3 1)	2.92	3.87	.75	65.9	53.4
[1 3 3]	(6 2 0)	(3 2 1)	2.92	3.66	.80	46.0	74.4
[1 3 9]	(6 2 0)	(3 -2 1)	2.92	3.66	.80	64.7	50.1
[1 3 7]	(6 2 0)	(2 3 1)	2.92	3.64	.80	55.2	56.9
[1 3 4]	(6 2 0)	(4 0 -1)	2.92	3.48	.84	44.7	69.6
[1 3 1]	(6 2 0)	(4 1 1)	2.92	3.42	.85	40.5	84.7
[1 3 7]	(6 2 0)	(4 -1 1)	2.92	3.42	.85	50.5	56.9
[1 3 6]	(6 2 0)	(3 3 1)	2.92	3.33	.88	46.2	60.8
[1 3 9]	(6 2 0)	(3 4 -1)	2.92	2.99	.98	47.5	50.1
[1 3 8]	(6 2 0)	(4 4 -1)	2.92	2.75	1.06	40.4	53.4
[2 6 1]	(6 2 0)	(1 0 -2)	2.92	2.61	1.12	82.3	87.3
[1 3 2]	(6 2 0)	(1 -1 2)	2.92	2.59	1.13	85.1	79.5
[1 3 1]	(6 2 0)	(1 1 2)	2.92	2.59	1.13	79.7	84.7
[2 6 1]	(6 2 0)	(2 1 -2)	2.92	2.51	1.16	72.4	87.3
[2 6 5]	(6 2 0)	(2 -1 2)	2.92	2.51	1.16	77.8	76.9
[2 6 5]	(6 2 0)	(1 2 2)	2.92	2.51	1.16	77.3	76.9
[2 6 7]	(6 2 0)	(1 -2 2)	2.92	2.51	1.16	87.9	72.0
[2 6 3]	(6 2 0)	(3 0 2)	2.92	2.43	1.20	68.2	82.1
[1 3 0]	(6 2 0)	(3 1 2)	2.92	2.40	1.21	65.6	90.0
[1 3 3]	(6 2 0)	(3 -1 2)	2.92	2.40	1.21	71.0	74.4
[1 3 4]	(6 2 0)	(1 3 2)	2.92	2.39	1.22	75.3	69.6
[1 3 5]	(6 2 0)	(1 -3 -2)	2.92	2.39	1.22	89.5	65.1
[2 6 3]	(6 2 0)	(3 2 2)	2.92	2.34	1.24	63.6	82.1
[2 6 9]	(6 2 0)	(3 -2 -2)	2.92	2.34	1.24	74.1	67.3
[2 6 7]	(6 2 0)	(2 3 -2)	2.92	2.34	1.25	68.5	72.0
[2 6 1]	(6 2 0)	(4 1 2)	2.92	2.27	1.28	59.6	87.3
[2 6 7]	(6 2 0)	(4 -1 2)	2.92	2.27	1.28	64.9	72.0
[1 3 6]	(6 2 0)	(3 -3 -2)	2.92	2.25	1.30	77.2	60.8
[1 3 3]	(6 2 0)	(3 3 2)	2.92	2.25	1.30	62.1	74.4
[2 6 5]	(6 2 0)	(4 3 -2)	2.92	2.14	1.36	56.3	76.9
[2 6 9]	(6 2 0)	(3 4 -2)	2.92	2.13	1.37	61.2	67.3
[1 3 7]	(6 2 0)	(1 5 2)	2.92	2.11	1.38	72.5	56.9

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok l)]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[1 3 8]	(6 2 0)	(1 -5 2)	2.92	2.11	1.38	85.2	53.4
[1 3 6]	(6 2 0)	(3 5 2)	2.92	2.01	1.45	60.6	60.8
[1 3 9]	(6 2 0)	(3 -5 -2)	2.92	2.01	1.45	82.8	50.1
[1 3 9]	(6 2 0)	(3 7 2)	2.92	1.76	1.66	60.4	50.1
[3 9 1]	(6 2 0)	(1 0 3)	2.92	1.75	1.66	84.9	88.2
[1 3 1]	(6 2 0)	(0 -1 3)	2.92	1.75	1.66	88.2	84.7
[3 9 2]	(6 2 0)	(1 1 3)	2.92	1.74	1.67	83.1	86.5
[3 9 4]	(6 2 0)	(1 -1 -3)	2.92	1.74	1.67	86.7	82.9
[3 9 2]	(6 2 0)	(2 0 3)	2.92	1.73	1.69	79.8	86.5
[3 9 5]	(6 2 0)	(2 -1 3)	2.92	1.72	1.69	81.7	81.2
[3 9 1]	(6 2 0)	(2 1 3)	2.92	1.72	1.69	78.0	88.2
[3 9 5]	(6 2 0)	(1 2 3)	2.92	1.72	1.70	81.3	81.2
[3 9 7]	(6 2 0)	(1 -2 3)	2.92	1.72	1.70	88.6	77.8
[3 9 8]	(6 2 0)	(2 -2 -3)	2.92	1.70	1.72	83.6	76.1
[3 9 4]	(6 2 0)	(2 2 3)	2.92	1.70	1.72	76.4	82.9
[1 3 0]	(6 2 0)	(3 1 3)	2.92	1.68	1.73	73.2	90.0
[1 3 2]	(6 2 0)	(3 -1 3)	2.92	1.68	1.73	76.8	79.5
[3 9 8]	(6 2 0)	(1 3 3)	2.92	1.68	1.73	79.8	76.1
[3 9 10]	(6 2 0)	(1 -3 3)	2.92	1.68	1.73	89.7	72.8
[1 3 1]	(6 2 0)	(3 2 3)	2.92	1.66	1.75	71.6	84.7
[1 3 3]	(6 2 0)	(3 -2 3)	2.92	1.66	1.75	78.8	74.4
[3 9 7]	(6 2 0)	(2 3 3)	2.92	1.66	1.76	74.9	77.8
[3 9 4]	(6 2 0)	(4 0 3)	2.92	1.64	1.77	70.4	82.9
[3 9 1]	(6 2 0)	(4 1 3)	2.92	1.64	1.78	68.6	88.2
[3 9 7]	(6 2 0)	(4 -1 3)	2.92	1.64	1.78	72.2	77.8
[3 9 2]	(6 2 0)	(4 2 3)	2.92	1.62	1.80	67.1	86.5
[3 9 10]	(6 2 0)	(4 -2 3)	2.92	1.62	1.80	74.2	72.8
[3 9 10]	(6 2 0)	(2 4 3)	2.92	1.61	1.81	73.6	72.8
[3 9 5]	(6 2 0)	(4 3 3)	2.92	1.59	1.84	65.7	81.2
[1 3 3]	(6 2 0)	(3 4 3)	2.92	1.58	1.84	69.0	74.4
[1 3 5]	(6 2 0)	(3 -4 3)	2.92	1.58	1.84	82.7	65.1
[1 3 5]	(6 2 0)	(0 5 3)	2.92	1.58	1.85	81.7	65.1
[3 9 8]	(6 2 0)	(4 4 3)	2.92	1.54	1.89	64.7	76.1
[1 3 4]	(6 2 0)	(3 5 3)	2.92	1.53	1.91	68.1	69.6
[1 3 6]	(6 2 0)	(3 -5 3)	2.92	1.53	1.91	84.5	60.8
[1 3 7]	(6 2 0)	(0 7 3)	2.92	1.45	2.01	79.4	56.9
[1 3 6]	(6 2 0)	(3 7 3)	2.92	1.41	2.07	66.7	60.8
[1 3 8]	(6 2 0)	(3 -7 3)	2.92	1.41	2.07	87.9	53.4
[1 3 7]	(6 2 0)	(3 8 3)	2.92	1.35	2.16	66.2	56.9
[1 3 9]	(6 2 0)	(3 -8 -3)	2.92	1.35	2.16	89.4	50.1
[2 6 1]	(6 2 0)	(1 1 4)	2.92	1.31	2.22	84.8	87.3
[1 3 1]	(6 2 0)	(1 -1 4)	2.92	1.31	2.22	87.5	84.7
[2 6 3]	(6 2 0)	(0 2 4)	2.92	1.31	2.23	87.3	82.1
[1 3 0]	(6 2 0)	(3 1 4)	2.92	1.29	2.26	77.2	90.0
[2 6 3]	(6 2 0)	(3 -1 4)	2.92	1.29	2.26	80.0	82.1

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[2 6 5]	(6 2 0)	(1 -3 4)	2.92	1.29	2.27	89.7	76.9
[1 3 2]	(6 2 0)	(1 3 4)	2.92	1.29	2.27	82.2	79.5
[2 6 3]	(6 2 0)	(3 3 4)	2.92	1.26	2.31	74.8	82.1
[1 3 3]	(6 2 0)	(3 -3 4)	2.92	1.26	2.31	82.8	74.4
[3 1 3]	(2 6 0)	(1 0 1)	2.84	5.08	.56	85.2	74.8
[3 1 1]	(2 6 0)	(0 1 1)	2.84	5.06	.56	74.4	84.8
[3 1 4]	(2 6 0)	(1 -1 1)	2.84	4.88	.58	79.7	70.1
[3 1 2]	(2 6 0)	(1 1 1)	2.84	4.88	.58	70.1	79.7
[3 1 6]	(2 6 0)	(2 0 1)	2.84	4.59	.62	81.2	61.5
[3 1 5]	(2 6 0)	(2 1 -1)	2.84	4.44	.64	67.4	65.6
[3 1 7]	(2 6 0)	(2 -1 1)	2.84	4.44	.64	84.9	57.6
[3 1 1]	(2 6 0)	(1 2 1)	2.84	4.42	.64	57.1	84.8
[3 1 5]	(2 6 0)	(1 -2 -1)	2.84	4.42	.64	66.7	65.6
[3 1 4]	(2 6 0)	(2 2 1)	2.84	4.08	.70	55.3	70.1
[3 1 8]	(2 6 0)	(2 -2 1)	2.84	4.08	.70	72.6	54.1
[3 1 9]	(2 6 0)	(3 0 1)	2.84	4.01	.71	78.5	50.8
[3 1 3]	(2 6 0)	(0 3 1)	2.84	3.95	.72	50.9	74.8
[3 1 8]	(2 6 0)	(3 1 1)	2.84	3.91	.73	66.2	54.1
[3 1 6]	(2 6 0)	(1 -3 -1)	2.84	3.87	.73	56.5	61.5
[3 1 0]	(2 6 0)	(1 3 1)	2.84	3.87	.73	47.1	90.0
[3 1 7]	(2 6 0)	(3 2 1)	2.84	3.66	.78	55.2	57.6
[3 1 3]	(2 6 0)	(2 3 1)	2.84	3.64	.78	45.5	74.8
[3 1 9]	(2 6 0)	(2 -3 -1)	2.84	3.64	.78	62.7	50.8
[3 1 7]	(2 6 0)	(1 -4 -1)	2.84	3.36	.85	48.8	57.6
[3 1 6]	(2 6 0)	(3 3 1)	2.84	3.33	.85	45.8	61.5
[3 1 9]	(2 6 0)	(4 3 1)	2.84	3.01	.94	47.2	50.8
[3 1 5]	(2 6 0)	(0 -5 1)	2.84	2.96	.96	38.0	65.6
[3 1 8]	(2 6 0)	(1 -5 -1)	2.84	2.93	.97	43.2	54.1
[6 2 3]	(2 6 0)	(1 0 -2)	2.84	2.61	1.09	87.5	82.3
[3 1 2]	(2 6 0)	(1 -1 2)	2.84	2.59	1.10	84.6	79.7
[3 1 1]	(2 6 0)	(1 1 2)	2.84	2.59	1.10	79.6	84.8
[3 1 9]	(2 6 0)	(1 -6 1)	2.84	2.57	1.10	38.9	50.8
[6 2 5]	(2 6 0)	(2 1 -2)	2.84	2.51	1.13	77.5	77.2
[6 2 7]	(2 6 0)	(2 -1 2)	2.84	2.51	1.13	87.1	72.4
[6 2 1]	(2 6 0)	(1 2 2)	2.84	2.51	1.13	72.0	87.4
[6 2 5]	(2 6 0)	(1 -2 2)	2.84	2.51	1.13	77.0	77.2
[6 2 9]	(2 6 0)	(3 0 2)	2.84	2.43	1.17	83.1	67.8
[3 1 4]	(2 6 0)	(3 1 2)	2.84	2.40	1.18	75.7	70.1
[3 1 5]	(2 6 0)	(3 -1 2)	2.84	2.40	1.18	89.5	65.6
[3 1 0]	(2 6 0)	(1 3 2)	2.84	2.39	1.19	65.1	90.0
[3 1 3]	(2 6 0)	(1 -3 -2)	2.84	2.39	1.19	70.0	74.8
[6 2 7]	(2 6 0)	(3 2 2)	2.84	2.34	1.21	68.6	72.4
[6 2 9]	(2 6 0)	(2 -3 2)	2.84	2.34	1.22	72.8	67.8
[6 2 3]	(2 6 0)	(2 3 -2)	2.84	2.34	1.22	63.2	82.3

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok)]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[3 1 7]	(2 6 0)	(0 -7 1)	2.84	2.30	1.23	31.1	57.6
[6 2 7]	(2 6 0)	(1 -4 -2)	2.84	2.26	1.26	63.7	72.4
[6 2 1]	(2 6 0)	(1 4 2)	2.84	2.26	1.26	58.8	87.4
[3 1 6]	(2 6 0)	(3 -3 -2)	2.84	2.25	1.26	75.7	61.5
[3 1 3]	(2 6 0)	(3 3 2)	2.84	2.25	1.26	61.9	74.8
[6 2 9]	(2 6 0)	(4 3 -2)	2.84	2.14	1.33	61.1	67.8
[6 2 5]	(2 6 0)	(3 4 -2)	2.84	2.13	1.33	56.0	77.2
[3 1 1]	(2 6 0)	(1 5 2)	2.84	2.11	1.35	53.4	84.8
[3 1 4]	(2 6 0)	(1 -5 2)	2.84	2.11	1.35	58.3	70.1
[6 2 1]	(2 6 0)	(2 5 2)	2.84	2.07	1.37	51.7	87.4
[3 1 2]	(2 6 0)	(3 5 2)	2.84	2.01	1.41	50.7	79.7
[3 1 7]	(2 6 0)	(3 -5 -2)	2.84	2.01	1.41	64.3	57.6
[6 2 3]	(2 6 0)	(1 6 2)	2.84	1.97	1.44	48.7	82.3
[6 2 9]	(2 6 0)	(1 -6 2)	2.84	1.97	1.44	53.5	67.8
[6 2 7]	(2 6 0)	(4 5 -2)	2.84	1.93	1.47	50.1	72.4
[6 2 3]	(2 6 0)	(3 6 -2)	2.84	1.88	1.51	46.0	82.3
[3 1 5]	(2 6 0)	(1 -7 2)	2.84	1.83	1.55	49.5	65.6
[3 1 2]	(2 6 0)	(1 7 2)	2.84	1.83	1.55	44.7	79.7
[3 1 9]	(2 6 0)	(4 -6 -2)	2.84	1.82	1.56	62.7	50.8
[6 2 1]	(2 6 0)	(2 7 2)	2.84	1.80	1.58	43.1	87.4
[3 1 1]	(2 6 0)	(3 7 2)	2.84	1.76	1.61	42.0	84.8
[3 1 8]	(2 6 0)	(3 -7 -2)	2.84	1.76	1.61	55.4	54.1
[3 1 1]	(2 6 0)	(1 0 3)	2.84	1.75	1.62	88.3	84.8
[9 3 1]	(2 6 0)	(0 -1 3)	2.84	1.75	1.62	84.7	88.3
[9 3 2]	(2 6 0)	(1 1 3)	2.84	1.74	1.63	83.0	86.5
[9 3 4]	(2 6 0)	(1 -1 -3)	2.84	1.74	1.63	86.3	83.1
[3 1 2]	(2 6 0)	(2 0 3)	2.84	1.73	1.64	86.7	79.7
[9 3 7]	(2 6 0)	(2 -1 3)	2.84	1.72	1.65	88.0	78.1
[9 3 5]	(2 6 0)	(2 1 3)	2.84	1.72	1.65	81.5	81.4
[9 3 1]	(2 6 0)	(1 2 3)	2.84	1.72	1.65	77.8	88.3
[9 3 5]	(2 6 0)	(1 -2 3)	2.84	1.72	1.65	81.1	81.4
[6 2 5]	(2 6 0)	(1 8 2)	2.84	1.70	1.67	41.3	77.2
[9 3 8]	(2 6 0)	(2 -2 -3)	2.84	1.70	1.67	82.9	76.4
[9 3 4]	(2 6 0)	(2 2 3)	2.84	1.70	1.67	76.3	83.1
[9 3 8]	(2 6 0)	(3 1 3)	2.84	1.68	1.69	80.0	76.4
[9 3 10]	(2 6 0)	(3 -1 3)	2.84	1.68	1.69	89.7	73.2
[3 1 0]	(2 6 0)	(1 3 3)	2.84	1.68	1.69	72.8	90.0
[3 1 2]	(2 6 0)	(1 -3 3)	2.84	1.68	1.69	76.1	79.7
[9 3 7]	(2 6 0)	(3 2 3)	2.84	1.66	1.71	75.0	78.1
[3 1 1]	(2 6 0)	(2 3 3)	2.84	1.66	1.71	71.3	84.8
[3 1 3]	(2 6 0)	(2 -3 -3)	2.84	1.66	1.71	77.9	74.8
[3 1 4]	(2 6 0)	(4 0 3)	2.84	1.64	1.73	83.7	70.1
[9 3 1]	(2 6 0)	(1 4 3)	2.84	1.63	1.74	68.0	88.3
[9 3 7]	(2 6 0)	(1 -4 -3)	2.84	1.63	1.74	71.3	78.1
[9 3 10]	(2 6 0)	(4 2 3)	2.84	1.62	1.76	73.8	73.2

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[9 3 2]	(2 6 0)	(2 4 3)	2.84	1.61	1.76	66.6	86.5
[9 3 10]	(2 6 0)	(2 -4 3)	2.84	1.61	1.76	73.2	73.2
[3 1 3]	(2 6 0)	(4 3 3)	2.84	1.59	1.79	69.0	74.8
[3 1 5]	(2 6 0)	(4 -3 -3)	2.84	1.59	1.79	81.5	65.6
[9 3 5]	(2 6 0)	(3 4 3)	2.84	1.58	1.79	65.5	81.4
[9 3 5]	(2 6 0)	(0 5 3)	2.84	1.58	1.80	65.2	81.4
[9 3 2]	(2 6 0)	(1 5 3)	2.84	1.57	1.80	63.6	86.5
[9 3 8]	(2 6 0)	(1 -5 3)	2.84	1.57	1.80	66.9	76.4
[9 3 1]	(2 6 0)	(2 5 3)	2.84	1.56	1.82	62.3	88.3
[9 3 8]	(2 6 0)	(4 4 3)	2.84	1.54	1.84	64.5	76.4
[9 3 4]	(2 6 0)	(3 5 3)	2.84	1.53	1.86	61.1	83.1
[3 1 1]	(2 6 0)	(1 6 3)	2.84	1.51	1.88	59.5	84.8
[3 1 3]	(2 6 0)	(1 -6 -3)	2.84	1.51	1.88	62.8	74.8
[3 1 0]	(2 6 0)	(2 6 3)	2.84	1.50	1.90	58.2	90.0
[3 1 4]	(2 6 0)	(2 -6 -3)	2.84	1.50	1.90	64.7	70.1
[9 3 7]	(2 6 0)	(4 5 -3)	2.84	1.49	1.90	60.2	78.1
[9 3 7]	(2 6 0)	(0 7 3)	2.84	1.45	1.96	57.3	78.1
[9 3 4]	(2 6 0)	(1 7 -3)	2.84	1.45	1.96	55.8	83.1
[9 3 10]	(2 6 0)	(1 -7 3)	2.84	1.45	1.96	59.1	73.2
[3 1 6]	(2 6 0)	(4 -6 3)	2.84	1.44	1.97	68.7	61.5
[9 3 1]	(2 6 0)	(2 7 3)	2.84	1.43	1.98	54.5	88.3
[9 3 2]	(2 6 0)	(3 7 3)	2.84	1.41	2.01	53.5	86.5
[9 3 5]	(2 6 0)	(1 8 3)	2.84	1.38	2.06	52.4	81.4
[9 3 2]	(2 6 0)	(2 8 3)	2.84	1.37	2.08	51.1	86.5
[9 3 1]	(2 6 0)	(3 8 3)	2.84	1.35	2.10	50.1	88.3
[3 1 2]	(2 6 0)	(1 9 3)	2.84	1.31	2.16	49.4	79.7
[6 2 1]	(2 6 0)	(1 1 4)	2.84	1.31	2.16	84.7	87.4
[3 1 1]	(2 6 0)	(1 -1 4)	2.84	1.31	2.16	87.2	84.8
[6 2 1]	(2 6 0)	(0 2 4)	2.84	1.31	2.17	82.0	87.4
[3 1 1]	(2 6 0)	(2 9 -3)	2.84	1.30	2.18	48.1	84.8
[3 1 2]	(2 6 0)	(3 1 4)	2.84	1.29	2.21	82.4	79.7
[6 2 5]	(2 6 0)	(3 -1 4)	2.84	1.29	2.21	89.7	77.2
[6 2 3]	(2 6 0)	(1 -3 4)	2.84	1.29	2.21	79.4	82.3
[3 1 0]	(2 6 0)	(1 3 4)	2.84	1.29	2.21	76.9	90.0
[6 2 3]	(2 6 0)	(3 3 4)	2.84	1.26	2.25	74.7	82.3
[3 1 3]	(2 6 0)	(3 -3 4)	2.84	1.26	2.25	82.0	74.8
[9 3 7]	(2 6 0)	(1 10 3)	2.84	1.25	2.27	46.6	78.1
[5 4 5]	(4 5 0)	(1 0 1)	2.83	5.08	.56	80.3	77.3
[5 4 4]	(4 5 0)	(0 1 1)	2.83	5.06	.56	77.1	79.8
[5 4 9]	(4 5 0)	(1 -1 1)	2.83	4.88	.58	86.9	67.9
[5 4 1]	(4 5 0)	(1 1 1)	2.83	4.88	.58	67.8	87.4
[5 4 10]	(4 5 0)	(2 0 1)	2.83	4.59	.62	72.3	65.7
[5 4 6]	(4 5 0)	(2 1 -1)	2.83	4.44	.64	60.6	74.8
[5 4 3]	(4 5 0)	(1 2 1)	2.83	4.42	.64	57.6	82.3

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok)]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[5 4 2]	(4 5 0)	(2 2 1)	2.83	4.08	.69	50.9	84.8
[5 4 7]	(4 5 0)	(1 3 1)	2.83	3.87	.73	50.2	72.5
[5 4 7]	(4 5 0)	(3 2 1)	2.83	3.66	.77	46.6	72.5
[5 4 2]	(4 5 0)	(2 3 1)	2.83	3.64	.78	43.7	84.8
[10 8 5]	(4 5 0)	(1 0 -2)	2.83	2.61	1.08	85.0	83.6
[10 8 9]	(4 5 0)	(1 -1 2)	2.83	2.59	1.09	88.4	78.5
[10 8 1]	(4 5 0)	(1 1 2)	2.83	2.59	1.09	78.5	88.7
[5 4 3]	(4 5 0)	(2 1 -2)	2.83	2.51	1.13	73.9	82.3
[5 4 7]	(4 5 0)	(2 -1 2)	2.83	2.51	1.13	86.8	72.5
[10 8 3]	(4 5 0)	(1 2 2)	2.83	2.51	1.13	72.3	86.1
[10 8 7]	(4 5 0)	(1 3 2)	2.83	2.39	1.18	66.6	81.0
[10 8 7]	(4 5 0)	(3 2 2)	2.83	2.34	1.21	63.9	81.0
[5 4 1]	(4 5 0)	(2 3 -2)	2.83	2.34	1.21	62.3	87.4
[5 4 8]	(4 5 0)	(4 1 2)	2.83	2.27	1.24	66.3	70.1
[10 8 3]	(4 5 0)	(3 3 2)	2.83	2.25	1.26	58.6	86.1
[5 4 4]	(4 5 0)	(4 3 -2)	2.83	2.14	1.32	55.5	79.8
[10 8 1]	(4 5 0)	(3 4 -2)	2.83	2.13	1.33	53.9	88.7
[5 4 5]	(4 5 0)	(2 5 2)	2.83	2.07	1.37	53.5	77.3
[10 8 5]	(4 5 0)	(3 5 2)	2.83	2.01	1.41	50.0	83.6
[5 4 0]	(4 5 0)	(4 5 -2)	2.83	1.93	1.47	47.0	90.0
[10 8 9]	(4 5 0)	(3 6 -2)	2.83	1.88	1.50	46.7	78.5
[5 4 9]	(4 5 0)	(2 7 2)	2.83	1.80	1.57	47.4	67.9
[5 4 3]	(4 5 0)	(1 -1 -3)	2.83	1.74	1.62	88.9	82.3
[5 4 2]	(4 5 0)	(2 1 3)	2.83	1.72	1.64	79.1	84.8
[5 4 1]	(4 5 0)	(1 2 3)	2.83	1.72	1.65	77.9	87.4
[5 4 6]	(4 5 0)	(2 -2 -3)	2.83	1.70	1.67	87.8	74.8
[5 4 8]	(4 5 0)	(4 -1 3)	2.83	1.64	1.73	81.7	70.1
[5 4 7]	(4 5 0)	(1 -4 -3)	2.83	1.63	1.74	76.4	72.5
[5 4 4]	(4 5 0)	(4 2 3)	2.83	1.62	1.75	69.1	79.8
[5 4 2]	(4 5 0)	(2 4 3)	2.83	1.61	1.76	66.9	84.8
[5 4 5]	(4 5 0)	(1 5 3)	2.83	1.57	1.80	66.4	77.3
[5 4 10]	(4 5 0)	(2 -5 -3)	2.83	1.56	1.82	76.1	65.7
[5 4 0]	(4 5 0)	(4 5 -3)	2.83	1.49	1.89	58.1	90.0
[5 4 6]	(4 5 0)	(2 7 3)	2.83	1.43	1.98	57.5	74.8
[5 4 9]	(4 5 0)	(1 8 3)	2.83	1.38	2.05	57.8	67.9
[5 4 2]	(4 5 0)	(0 2 4)	2.83	1.31	2.17	83.4	84.8
[10 8 3]	(4 5 0)	(2 1 4)	2.83	1.30	2.17	81.7	86.1
[10 8 7]	(4 5 0)	(2 -1 4)	2.83	1.30	2.17	88.4	81.0
[10 8 1]	(4 5 0)	(2 3 4)	2.83	1.28	2.22	75.3	88.7
[5 4 4]	(4 5 0)	(4 1 4)	2.83	1.27	2.24	77.1	79.8
[5 4 6]	(4 5 0)	(4 -1 4)	2.83	1.27	2.24	83.6	74.8
[1 2 1]	(6 3 0)	(1 0 1)	2.74	5.08	.54	75.9	82.5
[1 2 2]	(6 3 0)	(0 1 1)	2.74	5.06	.54	82.5	75.3
[1 2 3]	(6 3 0)	(1 -1 1)	2.74	4.88	.56	83.7	68.5

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 2 1]	(6 3 0)	(1 1 1)	2.74	4.88	.56	68.9	82.5
[1 2 2]	(6 3 0)	(2 0 1)	2.74	4.59	.60	63.9	75.3
[1 2 0]	(6 3 0)	(2 1 -1)	2.74	4.44	.62	57.3	90.0
[1 2 4]	(6 3 0)	(2 -1 1)	2.74	4.44	.62	71.8	62.3
[1 2 3]	(6 3 0)	(1 2 1)	2.74	4.42	.62	64.0	68.5
[1 2 5]	(6 3 0)	(1 -2 -1)	2.74	4.42	.62	89.2	56.8
[1 2 2]	(6 3 0)	(2 2 1)	2.74	4.08	.67	53.0	75.3
[1 2 6]	(6 3 0)	(2 -2 1)	2.74	4.08	.67	79.5	51.8
[1 2 3]	(6 3 0)	(3 0 1)	2.74	4.01	.68	54.7	68.5
[1 2 6]	(6 3 0)	(0 3 1)	2.74	3.95	.69	72.3	51.8
[1 2 1]	(6 3 0)	(3 1 1)	2.74	3.91	.70	48.4	82.5
[1 2 5]	(6 3 0)	(3 -1 1)	2.74	3.91	.70	62.4	56.8
[1 2 5]	(6 3 0)	(1 3 1)	2.74	3.87	.71	61.1	56.8
[1 2 1]	(6 3 0)	(3 2 1)	2.74	3.66	.75	44.4	82.5
[1 2 4]	(6 3 0)	(2 3 1)	2.74	3.64	.75	51.0	62.3
[1 2 4]	(6 3 0)	(4 0 -1)	2.74	3.48	.79	48.1	62.3
[1 2 2]	(6 3 0)	(4 1 1)	2.74	3.42	.80	42.0	75.3
[1 2 6]	(6 3 0)	(4 -1 1)	2.74	3.42	.80	55.4	51.8
[1 2 3]	(6 3 0)	(3 3 1)	2.74	3.33	.82	42.6	68.5
[1 2 6]	(6 3 0)	(2 4 1)	2.74	3.20	.86	50.5	51.8
[1 2 5]	(6 3 0)	(3 4 -1)	2.74	2.99	.92	42.6	56.8
[2 4 1]	(6 3 0)	(1 0 -2)	2.74	2.61	1.05	82.8	86.3
[2 4 3]	(6 3 0)	(1 -1 2)	2.74	2.59	1.06	86.7	78.9
[2 4 1]	(6 3 0)	(1 1 2)	2.74	2.59	1.06	79.0	86.3
[1 2 0]	(6 3 0)	(2 1 -2)	2.74	2.51	1.09	72.2	90.0
[1 2 2]	(6 3 0)	(2 -1 2)	2.74	2.51	1.09	79.8	75.3
[2 4 3]	(6 3 0)	(1 2 2)	2.74	2.51	1.09	75.6	78.9
[2 4 5]	(6 3 0)	(1 -2 2)	2.74	2.51	1.09	89.5	71.9
[2 4 3]	(6 3 0)	(3 0 2)	2.74	2.43	1.13	69.5	78.9
[2 4 1]	(6 3 0)	(3 1 2)	2.74	2.40	1.14	65.9	86.3
[2 4 5]	(6 3 0)	(3 -1 2)	2.74	2.40	1.14	73.5	71.9
[2 4 5]	(6 3 0)	(1 3 2)	2.74	2.39	1.14	72.6	71.9
[2 4 7]	(6 3 0)	(1 -3 -2)	2.74	2.39	1.14	86.0	65.4
[2 4 1]	(6 3 0)	(3 2 2)	2.74	2.34	1.17	62.8	86.3
[2 4 7]	(6 3 0)	(3 -2 -2)	2.74	2.34	1.17	77.4	65.4
[1 2 4]	(6 3 0)	(2 -3 2)	2.74	2.34	1.17	87.4	62.3
[1 2 2]	(6 3 0)	(2 3 -2)	2.74	2.34	1.17	66.2	75.3
[1 2 1]	(6 3 0)	(4 1 2)	2.74	2.27	1.20	60.3	82.5
[1 2 3]	(6 3 0)	(4 -1 2)	2.74	2.27	1.20	67.8	68.5
[2 4 9]	(6 3 0)	(1 -4 -2)	2.74	2.26	1.21	82.9	59.5
[2 4 7]	(6 3 0)	(1 4 2)	2.74	2.26	1.21	70.1	65.4
[2 4 9]	(6 3 0)	(3 -3 -2)	2.74	2.25	1.22	81.3	59.5
[2 4 3]	(6 3 0)	(3 3 2)	2.74	2.25	1.22	60.2	78.9
[1 2 1]	(6 3 0)	(4 3 -2)	2.74	2.14	1.28	54.8	82.5
[1 2 5]	(6 3 0)	(4 -3 2)	2.74	2.14	1.28	75.7	56.8

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok l)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[2 4 5]	(6 3 0)	(3 4 -2)	2.74	2.13	1.28	58.3	71.9
[2 4 9]	(6 3 0)	(1 5 2)	2.74	2.11	1.30	68.2	59.5
[1 2 4]	(6 3 0)	(2 5 2)	2.74	2.07	1.32	62.3	62.3
[1 2 6]	(6 3 0)	(2 -5 2)	2.74	2.07	1.32	86.2	51.8
[2 4 7]	(6 3 0)	(3 5 2)	2.74	2.01	1.36	56.8	65.4
[1 2 3]	(6 3 0)	(4 5 -2)	2.74	1.93	1.42	51.8	68.5
[2 4 9]	(6 3 0)	(3 6 -2)	2.74	1.88	1.45	55.9	59.5
[1 2 6]	(6 3 0)	(2 7 2)	2.74	1.80	1.52	60.2	51.8
[3 6 1]	(6 3 0)	(1 0 3)	2.74	1.75	1.56	85.2	87.5
[3 6 2]	(6 3 0)	(0 -1 3)	2.74	1.75	1.56	87.4	85.0
[3 6 1]	(6 3 0)	(1 1 3)	2.74	1.74	1.57	82.6	87.5
[1 2 1]	(6 3 0)	(1 -1 -3)	2.74	1.74	1.57	87.8	82.5
[3 6 2]	(6 3 0)	(2 0 3)	2.74	1.73	1.58	80.4	85.0
[3 6 4]	(6 3 0)	(2 -1 3)	2.74	1.72	1.59	83.0	80.1
[1 2 0]	(6 3 0)	(2 1 3)	2.74	1.72	1.59	77.9	90.0
[1 2 1]	(6 3 0)	(1 2 3)	2.74	1.72	1.59	80.2	82.5
[3 6 5]	(6 3 0)	(1 -2 3)	2.74	1.72	1.59	89.7	77.7
[1 2 2]	(6 3 0)	(2 -2 -3)	2.74	1.70	1.61	85.6	75.3
[3 6 2]	(6 3 0)	(2 2 3)	2.74	1.70	1.61	75.5	85.0
[3 6 1]	(6 3 0)	(3 1 3)	2.74	1.68	1.63	73.4	87.5
[3 6 5]	(6 3 0)	(3 -1 3)	2.74	1.68	1.63	78.5	77.7
[3 6 5]	(6 3 0)	(1 3 3)	2.74	1.68	1.63	77.9	77.7
[3 6 7]	(6 3 0)	(1 -3 3)	2.74	1.68	1.63	87.2	73.0
[3 6 1]	(6 3 0)	(3 2 3)	2.74	1.66	1.65	71.0	87.5
[3 6 7]	(6 3 0)	(3 -2 3)	2.74	1.66	1.65	81.1	73.0
[3 6 4]	(6 3 0)	(2 3 3)	2.74	1.66	1.65	73.3	80.1
[3 6 8]	(6 3 0)	(2 -3 -3)	2.74	1.66	1.65	88.2	70.7
[3 6 4]	(6 3 0)	(4 0 3)	2.74	1.64	1.67	71.6	80.1
[3 6 2]	(6 3 0)	(4 1 3)	2.74	1.64	1.67	69.1	85.0
[1 2 2]	(6 3 0)	(4 -1 3)	2.74	1.64	1.67	74.2	75.3
[3 6 7]	(6 3 0)	(1 4 3)	2.74	1.63	1.68	75.8	73.0
[1 2 3]	(6 3 0)	(1 -4 -3)	2.74	1.63	1.68	84.9	68.5
[1 2 0]	(6 3 0)	(4 2 3)	2.74	1.62	1.69	66.8	90.0
[3 6 8]	(6 3 0)	(4 -2 3)	2.74	1.62	1.69	76.8	70.7
[1 2 2]	(6 3 0)	(2 4 3)	2.74	1.61	1.70	71.3	75.3
[3 6 10]	(6 3 0)	(2 -4 3)	2.74	1.61	1.70	89.4	66.4
[3 6 2]	(6 3 0)	(4 3 3)	2.74	1.59	1.73	64.7	85.0
[3 6 10]	(6 3 0)	(4 -3 -3)	2.74	1.59	1.73	79.5	66.4
[3 6 5]	(6 3 0)	(3 4 3)	2.74	1.58	1.73	67.0	77.7
[3 6 10]	(6 3 0)	(0 5 3)	2.74	1.58	1.73	78.3	66.4
[1 2 3]	(6 3 0)	(1 5 3)	2.74	1.57	1.74	73.9	68.5
[3 6 8]	(6 3 0)	(2 5 3)	2.74	1.56	1.76	69.6	70.7
[1 2 4]	(6 3 0)	(2 -5 -3)	2.74	1.56	1.76	87.1	62.3
[3 6 4]	(6 3 0)	(4 4 3)	2.74	1.54	1.77	62.9	80.1
[1 2 4]	(6 3 0)	(4 -4 3)	2.74	1.54	1.77	82.1	62.3

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 6 7]	(6 3 0)	(3 5 3)	2.74	1.53	1.79	65.4	73.0
[3 6 10]	(6 3 0)	(2 6 3)	2.74	1.50	1.83	68.0	66.4
[1 2 2]	(6 3 0)	(4 5 -3)	2.74	1.49	1.83	61.4	75.3
[1 2 5]	(6 3 0)	(1 -7 3)	2.74	1.45	1.90	79.0	56.8
[1 2 4]	(6 3 0)	(2 7 3)	2.74	1.43	1.91	66.8	62.3
[1 2 6]	(6 3 0)	(4 -7 -3)	2.74	1.38	1.98	89.0	51.8
[1 2 5]	(6 3 0)	(1 8 3)	2.74	1.38	1.99	69.6	56.8
[1 2 6]	(6 3 0)	(2 -8 3)	2.74	1.37	2.00	81.4	51.8
[4 8 1]	(6 3 0)	(1 0 4)	2.74	1.32	2.08	86.4	88.1
[4 8 1]	(6 3 0)	(1 1 4)	2.74	1.31	2.09	84.4	88.1
[4 8 3]	(6 3 0)	(1 -1 4)	2.74	1.31	2.09	88.3	84.4
[1 2 1]	(6 3 0)	(0 2 4)	2.74	1.31	2.10	86.2	82.5
[1 2 0]	(6 3 0)	(2 1 4)	2.74	1.30	2.10	80.9	90.0
[1 2 1]	(6 3 0)	(2 -1 4)	2.74	1.30	2.10	84.7	82.5
[4 8 3]	(6 3 0)	(1 2 4)	2.74	1.30	2.10	82.6	84.4
[4 8 5]	(6 3 0)	(1 -2 4)	2.74	1.30	2.10	89.8	80.7
[4 8 3]	(6 3 0)	(3 0 4)	2.74	1.29	2.12	79.3	84.4
[4 8 1]	(6 3 0)	(3 1 4)	2.74	1.29	2.13	77.4	88.1
[4 8 5]	(6 3 0)	(3 -1 4)	2.74	1.29	2.13	81.2	80.7
[4 8 7]	(6 3 0)	(1 -3 4)	2.74	1.29	2.13	87.9	77.1
[4 8 5]	(6 3 0)	(1 3 4)	2.74	1.29	2.13	80.8	80.7
[4 8 1]	(6 3 0)	(3 2 4)	2.74	1.28	2.14	75.5	88.1
[4 8 7]	(6 3 0)	(3 -2 4)	2.74	1.28	2.14	83.2	77.1
[1 2 1]	(6 3 0)	(2 3 4)	2.74	1.28	2.15	77.2	82.5
[1 2 2]	(6 3 0)	(2 -3 4)	2.74	1.28	2.15	88.6	75.3
[2 4 1]	(6 3 0)	(4 1 4)	2.74	1.27	2.16	74.0	86.3
[2 4 3]	(6 3 0)	(4 -1 4)	2.74	1.27	2.16	77.8	78.9
[4 8 7]	(6 3 0)	(1 4 4)	2.74	1.26	2.17	79.0	77.1
[4 8 9]	(6 3 0)	(1 -4 4)	2.74	1.26	2.17	86.0	73.6
[4 8 3]	(6 3 0)	(3 3 4)	2.74	1.26	2.17	73.8	84.4
[4 8 9]	(6 3 0)	(3 -3 4)	2.74	1.26	2.17	85.1	73.6
[2 3 2]	(6 4 0)	(1 0 1)	2.54	5.08	.50	76.9	80.8
[2 3 3]	(6 4 0)	(0 1 1)	2.54	5.06	.50	80.8	76.3
[2 3 5]	(6 4 0)	(1 -1 1)	2.54	4.88	.52	86.4	68.0
[2 3 1]	(6 4 0)	(1 1 1)	2.54	4.88	.52	68.1	85.4
[2 3 4]	(6 4 0)	(2 0 1)	2.54	4.59	.55	65.9	72.1
[2 3 1]	(6 4 0)	(2 1 -1)	2.54	4.44	.57	57.6	85.4
[2 3 7]	(6 4 0)	(2 -1 1)	2.54	4.44	.57	75.2	60.5
[2 3 4]	(6 4 0)	(1 2 1)	2.54	4.42	.57	61.5	72.1
[2 3 8]	(6 4 0)	(1 -2 -1)	2.54	4.42	.57	85.2	57.1
[2 3 2]	(6 4 0)	(2 2 1)	2.54	4.08	.62	51.5	80.8
[2 3 10]	(6 4 0)	(2 -2 1)	2.54	4.08	.62	84.0	51.0
[2 3 6]	(6 4 0)	(3 0 1)	2.54	4.01	.63	57.6	64.1
[2 3 9]	(6 4 0)	(0 3 1)	2.54	3.95	.64	67.9	53.9

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)
 [Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (Ok)]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[2 3 3]	(6 4 0)	(3 1 1)	2.54	3.91	.65	49.7	76.3
[2 3 9]	(6 4 0)	(3 -1 1)	2.54	3.91	.65	66.5	53.9
[2 3 7]	(6 4 0)	(1 3 1)	2.54	3.87	.66	57.3	60.5
[2 3 0]	(6 4 0)	(3 2 1)	2.54	3.66	.69	43.9	90.0
[2 3 5]	(6 4 0)	(2 3 1)	2.54	3.64	.70	48.0	68.0
[2 3 8]	(6 4 0)	(4 0 -1)	2.54	3.48	.73	51.7	57.1
[2 3 5]	(6 4 0)	(4 1 1)	2.54	3.42	.74	44.3	68.0
[2 3 10]	(6 4 0)	(1 4 1)	2.54	3.36	.76	54.9	51.0
[2 3 3]	(6 4 0)	(3 3 1)	2.54	3.33	.76	40.4	76.3
[2 3 8]	(6 4 0)	(2 4 1)	2.54	3.20	.79	46.3	57.1
[2 3 1]	(6 4 0)	(1 0 -2)	2.54	2.61	.97	83.3	85.4
[4 6 5]	(6 4 0)	(1 -1 2)	2.54	2.59	.98	88.1	78.6
[4 6 1]	(6 4 0)	(1 1 2)	2.54	2.59	.98	78.6	87.7
[4 6 1]	(6 4 0)	(2 1 -2)	2.54	2.51	1.01	72.3	87.7
[4 6 7]	(6 4 0)	(2 -1 2)	2.54	2.51	1.01	81.7	74.2
[2 3 2]	(6 4 0)	(1 2 2)	2.54	2.51	1.01	74.3	80.8
[2 3 4]	(6 4 0)	(1 -2 2)	2.54	2.51	1.01	87.3	72.1
[2 3 3]	(6 4 0)	(3 0 2)	2.54	2.43	1.05	71.1	76.3
[4 6 3]	(6 4 0)	(3 1 2)	2.54	2.40	1.06	66.6	83.1
[4 6 9]	(6 4 0)	(3 -1 2)	2.54	2.40	1.06	75.8	70.0
[4 6 7]	(6 4 0)	(1 3 2)	2.54	2.39	1.06	70.5	74.2
[2 3 0]	(6 4 0)	(3 2 2)	2.54	2.34	1.08	62.5	90.0
[2 3 6]	(6 4 0)	(3 -2 -2)	2.54	2.34	1.08	80.5	64.1
[4 6 5]	(6 4 0)	(2 3 -2)	2.54	2.34	1.09	64.5	78.6
[4 6 5]	(6 4 0)	(4 1 2)	2.54	2.27	1.12	61.5	78.6
[2 3 7]	(6 4 0)	(1 -4 -2)	2.54	2.26	1.13	79.3	60.5
[2 3 5]	(6 4 0)	(1 4 2)	2.54	2.26	1.13	67.3	68.0
[4 6 3]	(6 4 0)	(3 3 2)	2.54	2.25	1.13	59.1	83.1
[4 6 1]	(6 4 0)	(4 3 -2)	2.54	2.14	1.19	54.2	87.7
[2 3 3]	(6 4 0)	(3 4 -2)	2.54	2.13	1.19	56.3	76.3
[2 3 9]	(6 4 0)	(3 -4 2)	2.54	2.13	1.19	89.2	53.9
[4 6 9]	(6 4 0)	(3 5 2)	2.54	2.01	1.26	54.1	70.0
[2 3 8]	(6 4 0)	(1 6 2)	2.54	1.97	1.29	62.5	57.1
[2 3 10]	(6 4 0)	(1 -6 2)	2.54	1.97	1.29	73.4	51.0
[4 6 7]	(6 4 0)	(4 5 -2)	2.54	1.93	1.32	49.5	74.2
[2 3 6]	(6 4 0)	(3 6 -2)	2.54	1.88	1.35	52.5	64.1
[6 9 2]	(6 4 0)	(1 0 3)	2.54	1.75	1.45	85.5	86.9
[2 3 1]	(6 4 0)	(0 -1 3)	2.54	1.75	1.45	86.8	85.4
[6 9 1]	(6 4 0)	(1 1 3)	2.54	1.74	1.46	82.4	88.5
[6 9 5]	(6 4 0)	(1 -1 -3)	2.54	1.74	1.46	88.7	82.3
[6 9 4]	(6 4 0)	(2 0 3)	2.54	1.73	1.47	81.1	83.8
[6 9 7]	(6 4 0)	(2 -1 3)	2.54	1.72	1.48	84.3	79.3
[6 9 1]	(6 4 0)	(2 1 3)	2.54	1.72	1.48	78.0	88.5
[6 9 4]	(6 4 0)	(1 2 3)	2.54	1.72	1.48	79.3	83.8
[6 9 8]	(6 4 0)	(1 -2 3)	2.54	1.72	1.48	88.1	77.8

(JCPDS 9-455: a 18.5Å b 17.9Å c 5.28Å α 90° β 90° γ 90°, Orthorhombic)[Space Group $Pnma$ permits only $h=2n$ diffractions for (hk0) and $(k+l)=2n$ for (0kl)]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[6 9 10]	(6 4 0)	(2 -2 -3)	2.54	1.70	1.50	87.5	74.9
[6 9 2]	(6 4 0)	(2 2 3)	2.54	1.70	1.50	75.0	86.9
[2 3 1]	(6 4 0)	(3 1 3)	2.54	1.68	1.51	73.8	85.4
[2 3 3]	(6 4 0)	(3 -1 3)	2.54	1.68	1.51	80.1	76.3
[6 9 7]	(6 4 0)	(1 3 3)	2.54	1.68	1.51	76.4	79.3
[2 3 0]	(6 4 0)	(3 2 3)	2.54	1.66	1.53	70.9	90.0
[2 3 4]	(6 4 0)	(3 -2 3)	2.54	1.66	1.53	83.3	72.1
[6 9 5]	(6 4 0)	(2 3 3)	2.54	1.66	1.53	72.2	82.3
[2 3 9]	(6 4 0)	(3 8 2)	2.54	1.65	1.54	50.4	53.9
[6 9 8]	(6 4 0)	(4 0 3)	2.54	1.64	1.54	73.0	77.8
[6 9 5]	(6 4 0)	(4 1 3)	2.54	1.64	1.55	69.9	82.3
[6 9 10]	(6 4 0)	(1 4 3)	2.54	1.63	1.56	73.8	74.9
[6 9 2]	(6 4 0)	(4 2 3)	2.54	1.62	1.57	67.0	86.9
[6 9 8]	(6 4 0)	(2 4 3)	2.54	1.61	1.57	69.6	77.8
[6 9 1]	(6 4 0)	(4 3 3)	2.54	1.59	1.60	64.3	88.5
[2 3 2]	(6 4 0)	(3 4 3)	2.54	1.58	1.60	65.7	80.8
[2 3 6]	(6 4 0)	(3 -4 3)	2.54	1.58	1.60	89.4	64.1
[2 3 5]	(6 4 0)	(0 5 3)	2.54	1.58	1.61	75.5	68.0
[6 9 4]	(6 4 0)	(4 4 3)	2.54	1.54	1.64	61.9	83.8
[2 3 3]	(6 4 0)	(3 5 3)	2.54	1.53	1.66	63.5	76.3
[2 3 7]	(6 4 0)	(3 -5 3)	2.54	1.53	1.66	87.8	60.5
[6 9 7]	(6 4 0)	(4 5 -3)	2.54	1.49	1.70	59.8	79.3
[2 3 7]	(6 4 0)	(0 7 3)	2.54	1.45	1.75	71.2	60.5
[2 3 5]	(6 4 0)	(3 7 3)	2.54	1.41	1.80	59.9	68.0
[2 3 9]	(6 4 0)	(3 -7 3)	2.54	1.41	1.80	82.8	53.9
[2 3 6]	(6 4 0)	(3 8 3)	2.54	1.35	1.88	58.5	64.1
[2 3 10]	(6 4 0)	(3 -8 -3)	2.54	1.35	1.88	80.7	51.0
[4 6 1]	(6 4 0)	(1 0 4)	2.54	1.32	1.93	86.6	87.7
[4 6 3]	(6 4 0)	(0 2 4)	2.54	1.31	1.94	85.3	83.1
[2 3 1]	(6 4 0)	(1 2 4)	2.54	1.30	1.95	81.9	85.4
[2 3 2]	(6 4 0)	(1 -2 4)	2.54	1.30	1.95	88.6	80.8
[4 6 3]	(6 4 0)	(3 0 4)	2.54	1.29	1.97	80.1	83.1
[2 3 0]	(6 4 0)	(3 2 4)	2.54	1.28	1.99	75.4	90.0
[2 3 3]	(6 4 0)	(3 -2 4)	2.54	1.28	1.99	84.9	76.3
[4 6 5]	(6 4 0)	(1 4 4)	2.54	1.26	2.01	77.5	78.6
[4 6 7]	(6 4 0)	(1 -4 4)	2.54	1.26	2.01	84.0	74.2

(JCPDS 19-1601: *a* 9.562Å *b* 18.380Å *c* 5.338Å α 90° β 101.86° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 0 0]	(0 2 0)	(0 0 1)	9.190	5.224	1.76	90.0	101.9
[1 0 1]	(0 2 0)	(1 1 -1)	9.190	4.844	1.90	74.7	70.2
[1 0 0]	(0 2 0)	(0 2 1)	9.190	4.542	2.02	60.4	101.9
[1 0 -1]	(0 2 0)	(1 1 1)	9.190	4.102	2.24	77.1	128.0
[1 0 2]	(0 2 0)	(2 0 -1)	9.190	3.907	2.35	90.0	47.1
[1 0 1]	(0 2 0)	(1 -3 -1)	9.190	3.884	2.37	50.7	70.2
[1 0 2]	(0 2 0)	(2 -2 -1)	9.190	3.596	2.56	67.0	47.1
[1 0 -1]	(0 2 0)	(1 3 1)	9.190	3.469	2.65	55.5	128.0
[1 0 2]	(0 2 0)	(2 4 -1)	9.190	2.977	3.09	49.6	47.1
[2 0 1]	(0 2 0)	(1 1 -2)	9.190	2.634	3.49	81.8	85.7
[1 0 0]	(0 2 0)	(0 2 -2)	9.190	2.513	3.66	74.1	101.9
[1 0 1]	(0 2 0)	(2 0 -2)	9.190	2.511	3.66	90.0	70.2
[2 0 1]	(0 2 0)	(1 3 -2)	9.190	2.441	3.76	66.5	85.7
[2 0 -1]	(0 2 0)	(1 -1 2)	9.190	2.372	3.87	82.6	116.3
[2 0 -1]	(0 2 0)	(1 3 2)	9.190	2.228	4.12	68.7	116.3
[2 0 3]	(0 2 0)	(3 1 -2)	9.190	2.226	4.13	83.0	57.2
[1 0 1]	(0 2 0)	(2 4 -2)	9.190	2.203	4.17	61.3	70.2
[2 0 1]	(0 2 0)	(1 5 -2)	9.190	2.156	4.26	54.1	85.7
[2 0 3]	(0 2 0)	(3 3 -2)	9.190	2.106	4.36	69.9	57.2
[1 0 -1]	(0 2 0)	(2 0 2)	9.190	2.104	4.37	90.0	128.0
[2 0 -1]	(0 2 0)	(1 -5 2)	9.190	2.005	4.58	57.0	116.3
[1 0 0]	(0 2 0)	(0 6 2)	9.190	1.988	4.62	49.5	101.9
[2 0 3]	(0 2 0)	(3 5 -2)	9.190	1.914	4.80	58.6	57.2
[1 0 -1]	(0 2 0)	(2 4 2)	9.190	1.913	4.80	65.4	128.0
[1 0 2]	(0 2 0)	(4 -2 -2)	9.190	1.911	4.81	78.0	47.1
[3 0 1]	(0 2 0)	(1 1 -3)	9.190	1.771	5.19	84.5	91.1
[2 0 -1]	(0 2 0)	(1 -7 2)	9.190	1.768	5.20	47.7	116.3
[3 0 2]	(0 2 0)	(2 0 -3)	9.190	1.754	5.24	90.0	80.3
[3 0 2]	(0 2 0)	(2 -2 -3)	9.190	1.723	5.33	79.2	80.3
[1 0 0]	(0 2 0)	(0 2 3)	9.190	1.711	5.37	79.3	101.9
[3 0 1]	(0 2 0)	(1 3 -3)	9.190	1.708	5.38	73.8	91.1
[2 0 3]	(0 2 0)	(3 7 -2)	9.190	1.705	5.39	49.5	57.2
[1 0 1]	(0 2 0)	(3 1 -3)	9.190	1.667	5.51	84.8	70.2
[1 0 2]	(0 2 0)	(4 -6 -2)	9.190	1.647	5.58	57.5	47.1
[3 0 -1]	(0 2 0)	(1 -1 3)	9.190	1.645	5.59	84.9	111.8
[3 0 2]	(0 2 0)	(2 4 -3)	9.190	1.639	5.61	69.1	80.3
[1 0 0]	(0 2 0)	(0 4 3)	9.190	1.628	5.64	69.2	101.9
[3 0 1]	(0 2 0)	(1 -5 -3)	9.190	1.601	5.74	64.2	91.1
[3 0 -1]	(0 2 0)	(1 3 3)	9.190	1.595	5.76	74.9	111.8
[3 0 4]	(0 2 0)	(4 0 -3)	9.190	1.559	5.90	90.0	61.2
[1 0 -1]	(0 2 0)	(2 8 2)	9.190	1.552	5.92	47.5	128.0
[3 0 4]	(0 2 0)	(4 -2 -3)	9.190	1.537	5.98	80.4	61.2
[3 0 -2]	(0 2 0)	(2 0 3)	9.190	1.532	6.00	90.0	120.6
[1 0 1]	(0 2 0)	(3 5 -3)	9.190	1.523	6.03	65.5	70.2
[3 0 2]	(0 2 0)	(2 -6 -3)	9.190	1.522	6.04	60.2	80.3

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 0 0]	(0 2 0)	(0 6 3)	9.190	1.514	6.07	60.4	101.9
[3 0 -2]	(0 2 0)	(2 -2 3)	9.190	1.511	6.08	80.5	120.6
[3 0 -1]	(0 2 0)	(1 5 3)	9.190	1.507	6.10	65.8	111.8
[3 0 4]	(0 2 0)	(4 -4 -3)	9.190	1.476	6.23	71.3	61.2
[3 0 1]	(0 2 0)	(1 -7 -3)	9.190	1.473	6.24	55.9	91.1
[3 0 -2]	(0 2 0)	(2 4 3)	9.190	1.454	6.32	71.6	120.6
[3 0 5]	(0 2 0)	(5 1 -3)	9.190	1.426	6.45	85.6	53.5
[1 0 1]	(0 2 0)	(3 7 -3)	9.190	1.411	6.51	57.5	70.2
[1 0 -1]	(0 2 0)	(3 -1 3)	9.190	1.399	6.57	85.6	128.0
[3 0 -1]	(0 2 0)	(1 -7 3)	9.190	1.398	6.57	57.8	111.8
[3 0 2]	(0 2 0)	(2 8 -3)	9.190	1.394	6.59	52.6	80.3
[3 0 5]	(0 2 0)	(5 3 -3)	9.190	1.392	6.60	76.9	53.5
[3 0 4]	(0 2 0)	(4 6 -3)	9.190	1.389	6.62	63.0	61.2
[1 0 0]	(0 2 0)	(0 8 3)	9.190	1.388	6.62	52.8	101.9
[3 0 -2]	(0 2 0)	(2 6 3)	9.190	1.370	6.71	63.4	120.6
[3 0 1]	(0 2 0)	(1 9 -3)	9.190	1.341	6.85	48.9	91.1
[3 0 5]	(0 2 0)	(5 5 -3)	9.190	1.333	6.90	68.7	53.5
[1 0 -1]	(0 2 0)	(3 5 3)	9.190	1.311	7.01	69.1	128.0
[1 0 2]	(0 2 0)	(6 0 -3)	9.190	1.302	7.06	90.0	47.1
[1 0 1]	(0 2 0)	(3 9 -3)	9.190	1.295	7.10	50.7	70.2
[3 0 4]	(0 2 0)	(4 8 -3)	9.190	1.290	7.12	55.8	61.2
[1 0 2]	(0 2 0)	(6 2 -3)	9.190	1.290	7.13	81.9	47.1
[3 0 -1]	(0 2 0)	(1 9 3)	9.190	1.284	7.16	51.0	111.8
[3 0 -4]	(0 2 0)	(4 0 3)	9.190	1.277	7.20	90.0	134.1
[3 0 -2]	(0 2 0)	(2 8 3)	9.190	1.275	7.21	56.3	120.6
[3 0 2]	(0 2 0)	(2 10 -3)	9.190	1.269	7.24	46.3	80.3
[3 0 -4]	(0 2 0)	(4 -2 3)	9.190	1.265	7.27	82.1	134.1
[1 0 0]	(0 2 0)	(0 10 -3)	9.190	1.264	7.27	46.5	101.9
[3 0 5]	(0 2 0)	(5 -7 -3)	9.190	1.256	7.32	61.4	53.5
[1 0 2]	(0 2 0)	(6 4 -3)	9.190	1.253	7.33	74.2	47.1
[1 1 0]	(1 1 0)	(0 0 1)	8.339	5.224	1.60	79.4	95.4
[1 -1 2]	(1 1 0)	(1 -1 -1)	8.339	4.844	1.72	80.1	67.1
[1 1 0]	(1 1 0)	(1 1 -1)	8.339	4.844	1.72	65.7	95.4
[1 1 2]	(1 1 0)	(0 2 -1)	8.339	4.542	1.84	67.5	67.1
[1 1 -2]	(1 1 0)	(0 2 1)	8.339	4.542	1.84	86.3	121.5
[1 1 -2]	(1 1 0)	(1 1 1)	8.339	4.102	2.03	64.3	121.5
[1 1 0]	(1 1 0)	(1 1 1)	8.339	4.102	2.03	50.5	95.4
[1 1 2]	(1 1 0)	(2 0 -1)	8.339	3.907	2.13	52.6	67.1
[1 1 -2]	(1 1 0)	(1 -3 -1)	8.339	3.884	2.15	58.6	121.5
[1 1 4]	(1 1 0)	(1 3 -1)	8.339	3.884	2.15	86.9	46.8
[1 -1 4]	(1 1 0)	(2 -2 -1)	8.339	3.596	2.32	67.6	46.8
[1 -1 4]	(1 1 0)	(0 4 1)	8.339	3.450	2.42	62.5	46.8
[1 1 4]	(1 1 0)	(3 1 -1)	8.339	2.922	2.85	48.7	46.8
[1 -1 4]	(1 1 0)	(1 5 1)	8.339	2.768	3.01	45.4	46.8

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[1 -1 1]	(1 1 0)	(1 -1 -2)	8.339	2.634	3.17	89.9	80.7
[1 1 0]	(1 1 0)	(1 1 -2)	8.339	2.634	3.17	82.5	95.4
[1 1 1]	(1 1 0)	(0 2 -2)	8.339	2.513	3.32	72.5	80.7
[1 1 -1]	(1 1 0)	(0 2 2)	8.339	2.513	3.32	87.0	109.5
[1 -1 1]	(1 1 0)	(2 0 -2)	8.339	2.511	3.32	72.4	80.7
[1 -1 2]	(1 1 0)	(1 -3 -2)	8.339	2.441	3.42	83.1	67.1
[1 1 -1]	(1 1 0)	(1 -3 -2)	8.339	2.441	3.42	76.0	109.5
[1 1 0]	(1 1 0)	(1 1 2)	8.339	2.372	3.52	63.2	95.4
[1 1 -1]	(1 1 0)	(1 1 2)	8.339	2.372	3.52	70.5	109.5
[1 1 -2]	(1 1 0)	(1 3 2)	8.339	2.228	3.74	78.3	121.5
[1 -1 1]	(1 1 0)	(1 3 2)	8.339	2.228	3.74	57.8	80.7
[1 -1 1]	(1 1 0)	(3 1 -2)	8.339	2.226	3.75	57.7	80.7
[1 1 2]	(1 1 0)	(3 1 -2)	8.339	2.226	3.75	64.9	67.1
[1 1 3]	(1 1 0)	(2 4 -2)	8.339	2.203	3.78	87.3	55.7
[1 -1 -1]	(1 1 0)	(2 4 -2)	8.339	2.203	3.78	61.1	109.5
[1 -1 3]	(1 1 0)	(1 -5 -2)	8.339	2.156	3.87	77.8	55.7
[1 -1 -2]	(1 1 0)	(1 5 -2)	8.339	2.156	3.87	71.3	121.5
[1 1 0]	(1 1 0)	(3 3 -2)	8.339	2.106	3.96	52.4	95.4
[1 1 3]	(1 1 0)	(3 3 -2)	8.339	2.106	3.96	72.7	55.7
[1 -1 -1]	(1 1 0)	(2 0 2)	8.339	2.104	3.96	56.8	109.5
[1 1 2]	(1 1 0)	(1 -5 2)	8.339	2.005	4.16	54.6	67.1
[1 -1 -3]	(1 1 0)	(1 -5 2)	8.339	2.005	4.16	85.2	131.1
[1 -1 3]	(1 1 0)	(0 6 2)	8.339	1.988	4.20	64.3	55.7
[1 1 -3]	(1 1 0)	(0 6 2)	8.339	1.988	4.20	81.1	131.1
[1 -1 -1]	(1 1 0)	(3 5 -2)	8.339	1.914	4.36	49.5	109.5
[1 1 4]	(1 1 0)	(3 5 -2)	8.339	1.914	4.36	79.8	46.8
[1 -1 1]	(1 1 0)	(2 4 2)	8.339	1.913	4.36	46.6	80.7
[1 -1 -3]	(1 1 0)	(2 -4 2)	8.339	1.913	4.36	72.0	131.1
[1 1 1]	(1 1 0)	(4 -2 -2)	8.339	1.911	4.36	46.5	80.7
[1 -1 3]	(1 1 0)	(4 -2 -2)	8.339	1.911	4.36	60.0	55.7
[1 -1 -3]	(1 1 0)	(1 7 -2)	8.339	1.869	4.46	68.3	131.1
[1 1 4]	(1 1 0)	(1 7 -2)	8.339	1.869	4.46	74.0	46.8
[1 -1 -1]	(1 1 0)	(3 1 2)	8.339	1.817	4.59	46.3	109.5
[1 -1 -2]	(1 1 0)	(3 -1 2)	8.339	1.817	4.59	53.0	121.5
[3 3 2]	(1 1 0)	(1 1 -3)	8.339	1.771	4.71	86.5	85.6
[1 1 0]	(1 1 0)	(1 -1 -3)	8.339	1.771	4.71	88.5	95.4
[1 -1 3]	(1 1 0)	(1 7 2)	8.339	1.768	4.72	53.3	55.7
[3 -3 2]	(1 1 0)	(2 0 -3)	8.339	1.754	4.75	81.4	85.6
[1 -1 -3]	(1 1 0)	(3 -3 2)	8.339	1.750	4.76	60.5	131.1
[1 1 0]	(1 1 0)	(2 2 -3)	8.339	1.723	4.84	76.6	95.4
[3 -3 4]	(1 1 0)	(2 -2 -3)	8.339	1.723	4.84	86.5	76.0
[3 3 -2]	(1 1 0)	(0 2 3)	8.339	1.711	4.87	84.5	105.0
[3 -3 2]	(1 1 0)	(0 2 3)	8.339	1.711	4.87	74.7	85.6
[3 3 -2]	(1 1 0)	(1 -3 -3)	8.339	1.708	4.88	83.7	105.0
[3 -3 4]	(1 1 0)	(1 -3 -3)	8.339	1.708	4.88	81.7	76.0

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 -1 -2]	(1 1 0)	(3 7 -2)	8.339	1.705	4.89	48.5	121.5
[1 -1 -3]	(1 1 0)	(2 8 -2)	8.339	1.695	4.92	57.4	131.1
[1 -1 3]	(1 1 0)	(5 -1 -2)	8.339	1.688	4.94	49.9	55.7
[3 -3 2]	(1 1 0)	(3 1 -3)	8.339	1.667	5.00	70.0	85.6
[3 3 4]	(1 1 0)	(3 1 -3)	8.339	1.667	5.00	74.9	76.0
[1 1 0]	(1 1 0)	(1 1 3)	8.339	1.645	5.07	68.3	95.4
[3 -3 -2]	(1 1 0)	(1 -1 3)	8.339	1.645	5.07	73.2	105.0
[1 -1 2]	(1 1 0)	(2 -4 -3)	8.339	1.639	5.09	88.7	67.1
[3 -3 -2]	(1 1 0)	(2 4 -3)	8.339	1.639	5.09	72.4	105.0
[1 -1 4]	(1 1 0)	(5 -3 -2)	8.339	1.634	5.10	57.2	46.8
[3 -3 -4]	(1 1 0)	(0 4 -3)	8.339	1.628	5.12	89.4	113.8
[3 -3 4]	(1 1 0)	(0 4 3)	8.339	1.628	5.12	70.6	76.0
[3 -3 -4]	(1 1 0)	(1 5 -3)	8.339	1.601	5.21	79.5	113.8
[1 -1 2]	(1 1 0)	(1 -5 -3)	8.339	1.601	5.21	77.7	67.1
[3 -3 2]	(1 1 0)	(1 3 3)	8.339	1.595	5.23	64.0	85.6
[3 3 -4]	(1 1 0)	(1 3 3)	8.339	1.595	5.23	78.4	113.8
[1 -1 -3]	(1 1 0)	(4 -2 2)	8.339	1.565	5.33	51.1	131.1
[3 3 4]	(1 1 0)	(4 0 -3)	8.339	1.559	5.35	64.5	76.0
[1 1 4]	(1 1 0)	(1 -9 2)	8.339	1.553	5.37	53.0	46.8
[1 1 2]	(1 1 0)	(4 2 -3)	8.339	1.537	5.43	69.6	67.1
[3 3 2]	(1 1 0)	(4 -2 -3)	8.339	1.537	5.43	60.0	85.6
[3 3 -2]	(1 1 0)	(2 0 3)	8.339	1.532	5.44	63.1	105.0
[3 3 -2]	(1 1 0)	(3 -5 -3)	8.339	1.523	5.47	62.4	105.0
[3 3 8]	(1 1 0)	(3 5 -3)	8.339	1.523	5.47	85.0	59.3
[3 3 -4]	(1 1 0)	(2 -6 -3)	8.339	1.522	5.48	69.2	113.8
[3 -3 8]	(1 1 0)	(2 -6 -3)	8.339	1.522	5.48	84.5	59.3
[1 1 2]	(1 1 0)	(0 6 -3)	8.339	1.514	5.51	67.5	67.1
[1 1 -2]	(1 1 0)	(0 6 3)	8.339	1.514	5.51	86.3	121.5
[3 3 -4]	(1 1 0)	(2 2 3)	8.339	1.511	5.52	68.1	113.8
[1 1 0]	(1 1 0)	(2 -2 3)	8.339	1.511	5.52	58.6	95.4
[1 1 -3]	(1 1 0)	(3 -9 -2)	8.339	1.510	5.52	48.6	131.1
[1 1 -2]	(1 1 0)	(1 5 3)	8.339	1.507	5.53	83.3	121.5
[3 -3 4]	(1 1 0)	(1 5 3)	8.339	1.507	5.53	60.8	76.0
[3 3 8]	(1 1 0)	(4 4 -3)	8.339	1.476	5.65	74.9	59.3
[1 1 0]	(1 1 0)	(4 -4 -3)	8.339	1.476	5.65	56.4	95.4
[1 1 -2]	(1 1 0)	(1 -7 -3)	8.339	1.473	5.66	76.1	121.5
[3 -3 8]	(1 1 0)	(1 -7 -3)	8.339	1.473	5.66	74.4	59.3
[1 1 -2]	(1 1 0)	(2 4 3)	8.339	1.454	5.74	73.4	121.5
[3 -3 2]	(1 1 0)	(2 4 3)	8.339	1.454	5.74	55.0	85.6
[3 3 4]	(1 1 0)	(5 -1 -3)	8.339	1.426	5.85	55.7	76.0
[1 1 2]	(1 1 0)	(5 1 -3)	8.339	1.426	5.85	60.4	67.1
[3 3 -4]	(1 1 0)	(3 -7 -3)	8.339	1.411	5.91	60.1	113.8
[3 3 10]	(1 1 0)	(3 7 -3)	8.339	1.411	5.91	89.4	52.5
[3 3 -4]	(1 1 0)	(3 1 3)	8.339	1.399	5.96	59.2	113.8
[3 3 -2]	(1 1 0)	(3 -1 3)	8.339	1.399	5.96	54.5	105.0

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 3 -8]	(1 1 0)	(1 7 3)	8.339	1.398	5.96	87.8	128.1
[1 1 2]	(1 1 0)	(1 -7 3)	8.339	1.398	5.96	58.5	67.1
[1 1 -2]	(1 1 0)	(2 -8 -3)	8.339	1.394	5.98	66.8	121.5
[3 3 10]	(1 1 0)	(2 8 -3)	8.339	1.394	5.98	81.0	52.5
[3 -3 2]	(1 1 0)	(5 3 -3)	8.339	1.392	5.99	51.7	85.6
[3 -3 8]	(1 1 0)	(5 -3 -3)	8.339	1.392	5.99	65.6	59.3
[3 -3 10]	(1 1 0)	(4 -6 -3)	8.339	1.389	6.00	79.8	52.5
[3 -3 -2]	(1 1 0)	(4 6 -3)	8.339	1.389	6.00	53.9	105.0
[3 -3 8]	(1 1 0)	(0 8 3)	8.339	1.388	6.01	65.2	59.3
[3 3 -8]	(1 1 0)	(0 8 3)	8.339	1.388	6.01	82.6	128.1
[3 -3 4]	(1 1 0)	(2 6 3)	8.339	1.370	6.09	52.5	76.0
[3 3 -8]	(1 1 0)	(2 6 3)	8.339	1.370	6.09	78.3	128.1
[3 -3 10]	(1 1 0)	(1 -9 -3)	8.339	1.341	6.22	71.9	52.5
[3 -3 -8]	(1 1 0)	(1 9 -3)	8.339	1.341	6.22	73.5	128.1
[1 1 0]	(1 1 0)	(5 5 -3)	8.339	1.333	6.26	48.8	95.4
[3 3 10]	(1 1 0)	(5 5 -3)	8.339	1.333	6.26	70.7	52.5
[3 -3 2]	(1 1 0)	(3 5 3)	8.339	1.311	6.36	47.6	85.6
[3 -3 -8]	(1 1 0)	(3 -5 3)	8.339	1.311	6.36	69.5	128.1
[1 -1 2]	(1 1 0)	(6 0 -3)	8.339	1.302	6.40	52.6	67.1
[1 -1 4]	(1 1 0)	(3 -9 -3)	8.339	1.295	6.44	86.9	46.8
[1 -1 -2]	(1 1 0)	(3 9 -3)	8.339	1.295	6.44	58.6	121.5
[1 -1 4]	(1 1 0)	(4 -8 -3)	8.339	1.290	6.47	84.2	46.8
[3 -3 -4]	(1 1 0)	(4 8 -3)	8.339	1.290	6.47	52.4	113.8
[3 -3 8]	(1 1 0)	(6 -2 -3)	8.339	1.290	6.47	57.5	59.3
[3 -3 4]	(1 1 0)	(6 2 -3)	8.339	1.290	6.47	48.3	76.0
[3 -3 8]	(1 1 0)	(1 9 3)	8.339	1.284	6.49	57.1	59.3
[3 3 -10]	(1 1 0)	(1 9 3)	8.339	1.284	6.49	88.4	133.8
[3 -3 -4]	(1 1 0)	(4 0 3)	8.339	1.277	6.53	51.6	113.8
[1 -1 2]	(1 1 0)	(2 8 3)	8.339	1.275	6.54	51.1	67.1
[3 3 -10]	(1 1 0)	(2 8 3)	8.339	1.275	6.54	82.8	133.8
[1 -1 4]	(1 1 0)	(2 -10 -3)	8.339	1.269	6.57	78.2	46.8
[3 -3 -8]	(1 1 0)	(2 10 -3)	8.339	1.269	6.57	65.1	128.1
[3 -3 -2]	(1 1 0)	(4 2 3)	8.339	1.265	6.59	47.4	105.0
[1 -1 -2]	(1 1 0)	(4 -2 3)	8.339	1.265	6.59	56.5	121.5
[3 -3 10]	(1 1 0)	(0 10 3)	8.339	1.264	6.60	63.6	52.5
[3 -3 -10]	(1 1 0)	(0 10 -3)	8.339	1.264	6.60	79.7	133.8
[1 -1 4]	(1 1 0)	(5 -7 -3)	8.339	1.256	6.64	75.6	46.8
[3 3 -2]	(1 1 0)	(5 -7 -3)	8.339	1.256	6.64	46.9	105.0
[3 3 10]	(1 1 0)	(6 4 -3)	8.339	1.253	6.66	62.6	52.5
[3 1 0]	(1 3 0)	(0 0 1)	5.126	5.224	.98	83.5	100.0
[3 1 2]	(1 3 0)	(1 -1 -1)	5.126	4.844	1.06	66.4	81.9
[3 1 4]	(1 3 0)	(1 1 -1)	5.126	4.844	1.06	87.6	65.3
[3 -1 -2]	(1 3 0)	(0 2 -1)	5.126	4.542	1.13	71.6	116.3
[3 -1 2]	(1 3 0)	(0 2 1)	5.126	4.542	1.13	59.2	81.9

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 -1 -2]	(1 3 0)	(1 1 1)	5.126	4.102	1.25	59.0	116.3
[3 1 -4]	(1 3 0)	(1 1 1)	5.126	4.102	1.25	81.8	129.1
[3 -1 6]	(1 3 0)	(2 0 -1)	5.126	3.907	1.31	68.1	52.1
[3 -1 6]	(1 3 0)	(1 -3 -1)	5.126	3.884	1.32	67.2	52.1
[3 1 0]	(1 3 0)	(1 3 -1)	5.126	3.884	1.32	47.6	100.0
[3 1 4]	(1 3 0)	(2 -2 -1)	5.126	3.596	1.43	47.9	65.3
[3 -1 4]	(1 3 0)	(0 4 1)	5.126	3.450	1.49	45.4	65.3
[3 1 -4]	(1 3 0)	(0 4 1)	5.126	3.450	1.49	56.4	129.1
[3 1 -4]	(1 3 0)	(2 -2 1)	5.126	3.002	1.71	46.4	129.1
[3 1 1]	(1 3 0)	(1 -1 -2)	5.126	2.634	1.95	80.8	91.0
[3 1 2]	(1 3 0)	(1 1 -2)	5.126	2.634	1.95	85.5	81.9
[3 -1 -1]	(1 3 0)	(0 2 -2)	5.126	2.513	2.04	83.1	108.5
[3 -1 1]	(1 3 0)	(0 2 2)	5.126	2.513	2.04	70.3	91.0
[3 1 3]	(1 3 0)	(2 0 -2)	5.126	2.511	2.04	79.3	73.2
[3 1 0]	(1 3 0)	(1 -3 -2)	5.126	2.441	2.10	68.2	100.0
[3 -1 3]	(1 3 0)	(1 -3 -2)	5.126	2.441	2.10	72.8	73.2
[3 1 -2]	(1 3 0)	(1 1 2)	5.126	2.372	2.16	82.4	116.3
[3 -1 -1]	(1 3 0)	(1 1 2)	5.126	2.372	2.16	69.6	108.5
[3 1 0]	(1 3 0)	(1 3 2)	5.126	2.228	2.30	57.9	100.0
[3 1 -3]	(1 3 0)	(1 3 2)	5.126	2.228	2.30	85.5	123.1
[3 1 5]	(1 3 0)	(3 1 -2)	5.126	2.226	2.30	78.8	58.2
[3 -1 4]	(1 3 0)	(3 1 -2)	5.126	2.226	2.30	66.7	65.3
[3 -1 1]	(1 3 0)	(2 4 -2)	5.126	2.203	2.33	55.7	91.0
[3 1 5]	(1 3 0)	(2 4 -2)	5.126	2.203	2.33	76.2	58.2
[3 1 -1]	(1 3 0)	(1 -5 -2)	5.126	2.156	2.38	58.4	108.5
[3 1 4]	(1 3 0)	(1 5 -2)	5.126	2.156	2.38	62.8	65.3
[3 1 6]	(1 3 0)	(3 3 -2)	5.126	2.106	2.43	89.5	52.1
[3 -1 3]	(1 3 0)	(3 3 -2)	5.126	2.106	2.43	55.5	73.2
[3 1 -3]	(1 3 0)	(2 0 2)	5.126	2.104	2.44	70.3	123.1
[3 -1 -4]	(1 3 0)	(1 -5 2)	5.126	2.005	2.56	75.4	129.1
[3 1 1]	(1 3 0)	(1 -5 2)	5.126	2.005	2.56	48.7	91.0
[3 1 -3]	(1 3 0)	(0 6 2)	5.126	1.988	2.58	62.8	123.1
[3 -1 3]	(1 3 0)	(0 6 2)	5.126	1.988	2.58	51.1	73.2
[3 1 7]	(1 3 0)	(3 5 -2)	5.126	1.914	2.68	79.5	46.8
[3 -1 2]	(1 3 0)	(3 5 -2)	5.126	1.914	2.68	46.4	81.9
[3 1 -5]	(1 3 0)	(2 4 2)	5.126	1.913	2.68	87.6	134.2
[3 1 -1]	(1 3 0)	(2 -4 2)	5.126	1.913	2.68	49.1	108.5
[3 -1 7]	(1 3 0)	(4 -2 -2)	5.126	1.911	2.68	79.0	46.8
[3 1 5]	(1 3 0)	(4 -2 -2)	5.126	1.911	2.68	57.4	58.2
[3 1 5]	(1 3 0)	(1 7 -2)	5.126	1.869	2.74	55.5	58.2
[3 -1 -2]	(1 3 0)	(1 7 -2)	5.126	1.869	2.74	51.4	116.3
[3 1 -5]	(1 3 0)	(3 1 2)	5.126	1.817	2.82	71.7	134.2
[3 1 -4]	(1 3 0)	(3 -1 2)	5.126	1.817	2.82	61.3	129.1
[9 -3 2]	(1 3 0)	(1 1 -3)	5.126	1.771	2.89	86.0	94.0
[9 -3 4]	(1 3 0)	(1 -1 -3)	5.126	1.771	2.89	84.8	87.9

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[3 1 -5]	(1 3 0)	(1 7 2)	5.126	1.768	2.90	67.4	134.2
[3 1 2]	(1 3 0)	(2 0 -3)	5.126	1.754	2.92	84.7	81.9
[3 1 -3]	(1 3 0)	(3 -3 2)	5.126	1.750	2.93	51.6	123.1
[9 3 8]	(1 3 0)	(2 2 -3)	5.126	1.723	2.97	86.2	76.0
[9 3 4]	(1 3 0)	(2 -2 -3)	5.126	1.723	2.97	75.7	87.9
[9 -3 2]	(1 3 0)	(0 2 3)	5.126	1.711	3.00	74.6	94.0
[9 3 -2]	(1 3 0)	(0 2 3)	5.126	1.711	3.00	87.4	105.7
[3 -1 2]	(1 3 0)	(1 -3 -3)	5.126	1.708	3.00	75.9	81.9
[3 1 0]	(1 3 0)	(1 -3 -3)	5.126	1.708	3.00	77.1	100.0
[3 1 7]	(1 3 0)	(2 8 -2)	5.126	1.695	3.02	60.5	46.8
[3 1 7]	(1 3 0)	(5 -1 -2)	5.126	1.688	3.04	60.1	46.8
[9 3 10]	(1 3 0)	(3 1 -3)	5.126	1.667	3.07	83.7	70.5
[9 -3 8]	(1 3 0)	(3 1 -3)	5.126	1.667	3.07	74.9	76.0
[9 3 -4]	(1 3 0)	(1 1 3)	5.126	1.645	3.12	82.7	111.2
[9 3 -2]	(1 3 0)	(1 -1 3)	5.126	1.645	3.12	73.9	105.7
[9 3 2]	(1 3 0)	(2 -4 -3)	5.126	1.639	3.13	67.4	94.0
[9 3 10]	(1 3 0)	(2 4 -3)	5.126	1.639	3.13	77.7	70.5
[3 1 6]	(1 3 0)	(5 -3 -2)	5.126	1.634	3.14	50.9	52.1
[9 3 4]	(1 3 0)	(0 4 -3)	5.126	1.628	3.15	66.3	87.9
[9 3 -4]	(1 3 0)	(0 4 3)	5.126	1.628	3.15	79.0	111.2
[3 1 6]	(1 3 0)	(1 9 -2)	5.126	1.620	3.16	50.3	52.1
[3 1 -3]	(1 3 0)	(1 -9 -2)	5.126	1.620	3.16	46.5	123.1
[9 3 8]	(1 3 0)	(1 5 -3)	5.126	1.601	3.20	68.0	76.0
[9 3 -2]	(1 3 0)	(1 -5 -3)	5.126	1.601	3.20	69.2	105.7
[3 1 -2]	(1 3 0)	(1 3 3)	5.126	1.595	3.21	88.8	116.3
[3 1 0]	(1 3 0)	(1 3 3)	5.126	1.595	3.21	65.5	100.0
[3 1 -5]	(1 3 0)	(4 -2 2)	5.126	1.565	3.28	54.8	134.2
[3 -1 4]	(1 3 0)	(4 0 -3)	5.126	1.559	3.29	74.7	65.3
[9 -3 10]	(1 3 0)	(4 2 -3)	5.126	1.537	3.34	66.4	70.5
[9 -3 14]	(1 3 0)	(4 -2 -3)	5.126	1.537	3.34	83.1	60.5
[3 -1 -2]	(1 3 0)	(2 0 3)	5.126	1.532	3.35	73.8	116.3
[9 -3 14]	(1 3 0)	(3 -5 -3)	5.126	1.523	3.36	79.8	60.5
[9 -3 4]	(1 3 0)	(3 5 -3)	5.126	1.523	3.36	59.0	87.9
[3 -1 4]	(1 3 0)	(2 -6 -3)	5.126	1.522	3.37	70.4	65.3
[3 1 0]	(1 3 0)	(2 -6 -3)	5.126	1.522	3.37	60.3	100.0
[3 -1 -2]	(1 3 0)	(0 6 -3)	5.126	1.514	3.39	71.6	116.3
[3 -1 2]	(1 3 0)	(0 6 3)	5.126	1.514	3.39	59.2	81.9
[9 -3 -4]	(1 3 0)	(2 2 3)	5.126	1.511	3.39	65.7	111.2
[9 -3 -8]	(1 3 0)	(2 -2 3)	5.126	1.511	3.39	82.1	121.0
[9 -3 2]	(1 3 0)	(1 5 3)	5.126	1.507	3.40	58.1	94.0
[9 3 -8]	(1 3 0)	(1 5 3)	5.126	1.507	3.40	80.9	121.0
[3 -1 -5]	(1 3 0)	(0 10 -2)	5.126	1.503	3.41	51.7	134.2
[9 -3 8]	(1 3 0)	(4 4 -3)	5.126	1.476	3.47	58.7	76.0
[9 -3 16]	(1 3 0)	(4 -4 -3)	5.126	1.476	3.47	88.9	56.1
[9 -3 10]	(1 3 0)	(1 -7 -3)	5.126	1.473	3.48	61.4	70.5

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[9 3 -4]	(1 3 0)	(1 -7 -3)	5.126	1.473	3.48	62.6	111.2
[9 -3 -2]	(1 3 0)	(2 4 3)	5.126	1.454	3.53	58.1	105.7
[9 3 -10]	(1 3 0)	(2 4 3)	5.126	1.454	3.53	90.0	125.2
[9 -3 16]	(1 3 0)	(5 -1 -3)	5.126	1.426	3.60	74.9	56.1
[9 -3 14]	(1 3 0)	(5 1 -3)	5.126	1.426	3.60	67.0	60.5
[3 -1 7]	(1 3 0)	(1 -11 -2)	5.126	1.415	3.62	46.6	46.8
[9 -3 16]	(1 3 0)	(3 -7 -3)	5.126	1.411	3.63	73.0	56.1
[9 -3 2]	(1 3 0)	(3 7 -3)	5.126	1.411	3.63	52.7	94.0
[3 -1 7]	(1 3 0)	(6 4 -2)	5.126	1.408	3.64	46.3	46.8
[9 -3 -8]	(1 3 0)	(3 1 3)	5.126	1.399	3.66	66.4	121.0
[9 -3 -10]	(1 3 0)	(3 -1 3)	5.126	1.399	3.66	74.2	125.2
[9 -3 4]	(1 3 0)	(1 7 3)	5.126	1.398	3.67	51.8	87.9
[9 -3 -10]	(1 3 0)	(1 -7 3)	5.126	1.398	3.67	74.1	125.2
[9 -3 14]	(1 3 0)	(2 -8 -3)	5.126	1.394	3.68	64.2	60.5
[9 -3 -2]	(1 3 0)	(2 8 -3)	5.126	1.394	3.68	54.5	105.7
[3 1 6]	(1 3 0)	(5 3 -3)	5.126	1.392	3.68	82.7	52.1
[3 1 4]	(1 3 0)	(5 -3 -3)	5.126	1.392	3.68	59.5	65.3
[3 1 2]	(1 3 0)	(4 -6 -3)	5.126	1.389	3.69	52.1	81.9
[3 1 6]	(1 3 0)	(4 6 -3)	5.126	1.389	3.69	81.7	52.1
[9 3 -8]	(1 3 0)	(0 8 3)	5.126	1.388	3.69	65.4	121.0
[9 -3 8]	(1 3 0)	(0 8 3)	5.126	1.388	3.69	53.5	76.0
[3 1 -4]	(1 3 0)	(2 6 3)	5.126	1.370	3.74	82.8	129.1
[3 1 0]	(1 3 0)	(2 6 3)	5.126	1.370	3.74	51.4	100.0
[3 1 -2]	(1 3 0)	(1 -9 -3)	5.126	1.341	3.82	57.2	116.3
[3 1 4]	(1 3 0)	(1 9 -3)	5.126	1.341	3.82	56.1	65.3
[9 3 20]	(1 3 0)	(5 5 -3)	5.126	1.333	3.85	90.0	48.5
[9 -3 10]	(1 3 0)	(5 5 -3)	5.126	1.333	3.85	52.6	70.5
[9 3 -14]	(1 3 0)	(3 5 3)	5.126	1.311	3.91	89.0	132.6
[9 3 -4]	(1 3 0)	(3 -5 3)	5.126	1.311	3.91	52.2	111.2
[3 1 6]	(1 3 0)	(6 0 -3)	5.126	1.302	3.94	68.1	52.1
[3 1 0]	(1 3 0)	(3 -9 -3)	5.126	1.295	3.96	47.6	100.0
[3 1 6]	(1 3 0)	(3 9 -3)	5.126	1.295	3.96	67.2	52.1
[9 3 4]	(1 3 0)	(4 -8 -3)	5.126	1.290	3.97	46.5	87.9
[9 3 20]	(1 3 0)	(4 8 -3)	5.126	1.290	3.97	75.5	48.5
[9 3 16]	(1 3 0)	(6 -2 -3)	5.126	1.290	3.97	60.9	56.1
[9 3 20]	(1 3 0)	(6 2 -3)	5.126	1.290	3.97	75.4	48.5
[3 1 -4]	(1 3 0)	(1 9 3)	5.126	1.284	3.99	68.4	129.1
[3 -1 2]	(1 3 0)	(1 9 3)	5.126	1.284	3.99	46.8	81.9
[3 1 -4]	(1 3 0)	(4 0 3)	5.126	1.277	4.01	67.6	129.1
[9 3 -14]	(1 3 0)	(2 8 3)	5.126	1.275	4.02	76.6	132.6
[9 -3 2]	(1 3 0)	(2 8 3)	5.126	1.275	4.02	45.9	94.0
[9 3 -4]	(1 3 0)	(2 -10 -3)	5.126	1.269	4.04	49.9	111.2
[9 3 16]	(1 3 0)	(2 10 -3)	5.126	1.269	4.04	59.3	56.1
[9 3 -14]	(1 3 0)	(4 2 3)	5.126	1.265	4.05	74.8	132.6
[9 3 -10]	(1 3 0)	(4 -2 3)	5.126	1.265	4.05	60.5	125.2

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[9 3 -10]	(1 3 0)	(0 10 3)	5.126	1.264	4.05	60.4	125.2
[9 3 10]	(1 3 0)	(0 10 -3)	5.126	1.264	4.05	48.9	70.5
[9 3 8]	(1 3 0)	(5 -7 -3)	5.126	1.256	4.08	46.7	76.0
[9 -3 22]	(1 3 0)	(5 -7 -3)	5.126	1.256	4.08	83.5	45.3
[9 3 22]	(1 3 0)	(6 4 -3)	5.126	1.253	4.09	82.5	45.3
[9 -3 14]	(1 3 0)	(6 4 -3)	5.126	1.253	4.09	54.0	60.5
[0 1 0]	(2 0 0)	(0 0 1)	4.679	5.224	.90	78.1	90.0
[0 1 1]	(2 0 0)	(1 1 -1)	4.679	4.844	.97	70.9	73.8
[0 -1 2]	(2 0 0)	(0 2 1)	4.679	4.542	1.03	79.7	59.8
[0 -1 1]	(2 0 0)	(1 1 1)	4.679	4.102	1.14	53.1	73.8
[0 1 0]	(2 0 0)	(2 0 -1)	4.679	3.907	1.20	47.1	90.0
[0 1 -3]	(2 0 0)	(1 -3 -1)	4.679	3.884	1.20	74.8	131.1
[0 1 -2]	(2 0 0)	(2 -2 -1)	4.679	3.596	1.30	51.2	120.2
[0 -1 3]	(2 0 0)	(1 3 1)	4.679	3.469	1.35	59.5	48.9
[0 2 1]	(2 0 0)	(1 1 -2)	4.679	2.634	1.78	85.7	81.7
[0 1 1]	(2 0 0)	(0 2 -2)	4.679	2.513	1.86	78.6	73.8
[0 1 0]	(2 0 0)	(2 0 -2)	4.679	2.511	1.86	70.2	90.0
[0 2 3]	(2 0 0)	(1 3 -2)	4.679	2.441	1.92	86.1	66.5
[0 -2 -1]	(2 0 0)	(1 -1 2)	4.679	2.372	1.97	63.9	98.3
[0 -2 3]	(2 0 0)	(1 3 2)	4.679	2.228	2.10	65.6	66.5
[0 2 1]	(2 0 0)	(3 1 -2)	4.679	2.226	2.10	57.4	81.7
[0 1 2]	(2 0 0)	(2 4 -2)	4.679	2.203	2.12	72.7	59.8
[0 2 5]	(2 0 0)	(1 5 -2)	4.679	2.156	2.17	86.5	54.0
[0 2 3]	(2 0 0)	(3 3 -2)	4.679	2.106	2.22	59.4	66.5
[0 1 0]	(2 0 0)	(2 0 2)	4.679	2.104	2.22	52.0	90.0
[0 -2 -5]	(2 0 0)	(1 -5 2)	4.679	2.005	2.33	68.2	126.0
[0 -1 3]	(2 0 0)	(0 6 2)	4.679	1.988	2.35	81.0	48.9
[0 2 5]	(2 0 0)	(3 5 -2)	4.679	1.914	2.44	62.4	54.0
[0 -1 2]	(2 0 0)	(2 4 2)	4.679	1.913	2.45	56.0	59.8
[0 1 -1]	(2 0 0)	(4 -2 -2)	4.679	1.911	2.45	48.2	106.2
[0 3 1]	(2 0 0)	(1 1 -3)	4.679	1.771	2.64	88.9	84.5
[0 1 0]	(2 0 0)	(2 0 -3)	4.679	1.754	2.67	80.3	90.0
[0 -2 -3]	(2 0 0)	(3 -3 2)	4.679	1.750	2.67	45.7	113.5
[0 3 -2]	(2 0 0)	(2 -2 -3)	4.679	1.723	2.72	80.5	101.0
[0 -3 2]	(2 0 0)	(0 2 3)	4.679	1.711	2.73	78.4	79.0
[0 1 1]	(2 0 0)	(1 3 -3)	4.679	1.708	2.74	88.9	73.8
[0 3 1]	(2 0 0)	(3 1 -3)	4.679	1.667	2.81	70.3	84.5
[0 1 -3]	(2 0 0)	(4 -6 -2)	4.679	1.647	2.84	54.9	131.1
[0 -3 -1]	(2 0 0)	(1 -1 3)	4.679	1.645	2.84	68.3	95.5
[0 3 4]	(2 0 0)	(2 4 -3)	4.679	1.639	2.86	81.0	68.8
[0 -2 5]	(2 0 0)	(3 5 2)	4.679	1.636	2.86	49.2	54.0
[0 -3 4]	(2 0 0)	(0 4 3)	4.679	1.628	2.87	78.9	68.8
[0 3 -5]	(2 0 0)	(1 -5 -3)	4.679	1.601	2.92	89.0	115.8
[0 -1 1]	(2 0 0)	(1 3 3)	4.679	1.595	2.93	69.0	73.8

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[0 1 0]	(2 0 0)	(4 0 -3)	4.679	1.559	3.00	61.2	90.0
[0 2 5]	(2 0 0)	(5 5 -2)	4.679	1.539	3.04	45.5	54.0
[0 3 -2]	(2 0 0)	(4 -2 -3)	4.679	1.537	3.04	61.6	101.0
[0 1 0]	(2 0 0)	(2 0 3)	4.679	1.532	3.05	59.4	90.0
[0 3 5]	(2 0 0)	(3 5 -3)	4.679	1.523	3.07	72.0	64.2
[0 1 -2]	(2 0 0)	(2 -6 -3)	4.679	1.522	3.07	81.6	120.2
[0 -1 2]	(2 0 0)	(0 6 3)	4.679	1.514	3.09	79.7	59.8
[0 -3 -2]	(2 0 0)	(2 -2 3)	4.679	1.511	3.10	59.9	101.0
[0 -3 5]	(2 0 0)	(1 5 3)	4.679	1.507	3.11	70.2	64.2
[0 3 -4]	(2 0 0)	(4 -4 -3)	4.679	1.476	3.17	62.8	111.2
[0 3 -7]	(2 0 0)	(1 -7 -3)	4.679	1.473	3.18	89.1	124.1
[0 -3 4]	(2 0 0)	(2 4 3)	4.679	1.454	3.22	61.2	68.8
[0 3 1]	(2 0 0)	(5 1 -3)	4.679	1.426	3.28	53.6	84.5
[0 3 7]	(2 0 0)	(3 7 -3)	4.679	1.411	3.31	73.4	55.9
[0 -3 -1]	(2 0 0)	(3 -1 3)	4.679	1.399	3.35	52.2	95.5
[0 -3 -7]	(2 0 0)	(1 -7 3)	4.679	1.398	3.35	71.7	124.1
[0 3 8]	(2 0 0)	(2 8 -3)	4.679	1.394	3.36	82.3	52.2
[0 1 1]	(2 0 0)	(5 3 -3)	4.679	1.392	3.36	54.6	73.8
[0 1 2]	(2 0 0)	(4 6 -3)	4.679	1.389	3.37	64.5	59.8
[0 -3 8]	(2 0 0)	(0 8 3)	4.679	1.388	3.37	80.6	52.2
[0 -1 2]	(2 0 0)	(2 6 3)	4.679	1.370	3.41	63.0	59.8
[0 1 3]	(2 0 0)	(1 9 -3)	4.679	1.341	3.49	89.1	48.9
[0 3 5]	(2 0 0)	(5 5 -3)	4.679	1.333	3.51	56.3	64.2
[0 -3 5]	(2 0 0)	(3 5 3)	4.679	1.311	3.57	54.9	64.2
[0 1 0]	(2 0 0)	(6 0 -3)	4.679	1.302	3.59	47.1	90.0
[0 1 3]	(2 0 0)	(3 9 -3)	4.679	1.295	3.61	74.8	48.9
[0 3 8]	(2 0 0)	(4 8 -3)	4.679	1.290	3.63	66.5	52.2
[0 3 2]	(2 0 0)	(6 2 -3)	4.679	1.290	3.63	47.6	79.0
[0 -1 3]	(2 0 0)	(1 9 3)	4.679	1.284	3.64	73.2	48.9
[0 1 0]	(2 0 0)	(4 0 3)	4.679	1.277	3.66	45.9	90.0
[0 -3 8]	(2 0 0)	(2 8 3)	4.679	1.275	3.67	65.0	52.2
[0 3 10]	(2 0 0)	(2 10 -3)	4.679	1.269	3.69	83.0	45.9
[0 -3 -2]	(2 0 0)	(4 -2 3)	4.679	1.265	3.70	46.4	101.0
[0 3 10]	(2 0 0)	(0 10 -3)	4.679	1.264	3.70	81.4	45.9
[0 3 -7]	(2 0 0)	(5 -7 -3)	4.679	1.256	3.73	58.5	124.1
[0 3 4]	(2 0 0)	(6 4 -3)	4.679	1.253	3.73	49.0	68.8
[5 1 0]	(1 5 0)	(0 0 1)	3.421	5.224	.65	85.7	101.1
[5 -1 6]	(1 5 0)	(1 -1 -1)	3.421	4.844	.71	82.8	66.2
[5 -1 4]	(1 5 0)	(1 1 -1)	3.421	4.844	.71	68.6	77.1
[5 1 2]	(1 5 0)	(0 2 -1)	3.421	4.542	.75	58.3	89.0
[5 1 -2]	(1 5 0)	(0 2 1)	3.421	4.542	.75	66.8	112.2
[5 1 -6]	(1 5 0)	(1 1 1)	3.421	4.102	.83	89.3	129.8
[5 -1 -4]	(1 5 0)	(1 1 1)	3.421	4.102	.83	64.7	121.8
[5 1 10]	(1 5 0)	(2 0 -1)	3.421	3.907	.88	75.6	49.1

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[5 1 2]	(1 5 0)	(1 -3 -1)	3.421	3.884	.88	46.7	89.0
[5 1 8]	(1 5 0)	(1 3 -1)	3.421	3.884	.88	60.4	56.8
[5 -1 8]	(1 5 0)	(2 2 -1)	3.421	3.596	.95	53.6	56.8
[5 1 -4]	(1 5 0)	(0 4 1)	3.421	3.450	.99	49.5	121.8
[5 1 10]	(1 5 0)	(1 5 -1)	3.421	2.966	1.15	47.3	49.1
[5 -1 3]	(1 5 0)	(1 -1 -2)	3.421	2.634	1.30	83.9	83.0
[5 -1 2]	(1 5 0)	(1 1 -2)	3.421	2.634	1.30	80.8	89.0
[5 1 1]	(1 5 0)	(0 2 -2)	3.421	2.513	1.36	70.9	95.1
[5 1 -1]	(1 5 0)	(0 2 2)	3.421	2.513	1.36	79.5	106.8
[5 -1 5]	(1 5 0)	(2 0 -2)	3.421	2.511	1.36	82.9	71.5
[5 -1 4]	(1 5 0)	(1 -3 -2)	3.421	2.441	1.40	69.8	77.1
[5 1 1]	(1 5 0)	(1 -3 -2)	3.421	2.441	1.40	66.7	95.1
[5 -1 -2]	(1 5 0)	(1 1 2)	3.421	2.372	1.44	73.7	112.2
[5 1 -3]	(1 5 0)	(1 1 2)	3.421	2.372	1.44	87.7	117.2
[5 1 -4]	(1 5 0)	(1 3 2)	3.421	2.228	1.54	79.2	121.8
[5 -1 -1]	(1 5 0)	(1 3 2)	3.421	2.228	1.54	60.7	106.8
[5 -1 7]	(1 5 0)	(3 1 -2)	3.421	2.226	1.54	72.0	61.3
[5 1 8]	(1 5 0)	(3 1 -2)	3.421	2.226	1.54	85.2	56.8
[5 1 7]	(1 5 0)	(2 4 -2)	3.421	2.203	1.55	70.3	61.3
[5 -1 3]	(1 5 0)	(2 4 -2)	3.421	2.203	1.55	56.3	83.0
[5 -1 5]	(1 5 0)	(1 -5 -2)	3.421	2.156	1.59	58.4	71.5
[5 1 0]	(1 5 0)	(1 5 -2)	3.421	2.156	1.59	55.4	101.1
[5 -1 6]	(1 5 0)	(3 3 -2)	3.421	2.106	1.62	59.6	66.2
[5 1 9]	(1 5 0)	(3 3 -2)	3.421	2.106	1.62	82.3	52.8
[5 -1 -5]	(1 5 0)	(2 0 2)	3.421	2.104	1.63	77.0	126.0
[5 1 0]	(1 5 0)	(1 -5 2)	3.421	2.005	1.71	49.9	101.1
[5 -1 -5]	(1 5 0)	(1 -5 2)	3.421	2.005	1.71	68.2	126.0
[5 -1 3]	(1 5 0)	(0 6 2)	3.421	1.988	1.72	48.6	83.0
[5 1 -3]	(1 5 0)	(0 6 2)	3.421	1.988	1.72	56.9	117.2
[5 -1 5]	(1 5 0)	(3 5 -2)	3.421	1.914	1.79	49.2	71.5
[5 1 10]	(1 5 0)	(3 5 -2)	3.421	1.914	1.79	71.6	49.1
[5 -1 -3]	(1 5 0)	(2 4 2)	3.421	1.913	1.79	53.7	117.2
[5 -1 -7]	(1 5 0)	(2 -4 2)	3.421	1.913	1.79	79.5	133.2
[5 1 9]	(1 5 0)	(4 -2 -2)	3.421	1.911	1.79	64.1	52.8
[5 -1 11]	(1 5 0)	(4 -2 -2)	3.421	1.911	1.79	87.1	45.8
[5 -1 -1]	(1 5 0)	(1 7 -2)	3.421	1.869	1.83	47.0	106.8
[5 1 6]	(1 5 0)	(1 7 -2)	3.421	1.869	1.83	50.0	66.2
[5 -1 -7]	(1 5 0)	(3 1 2)	3.421	1.817	1.88	69.1	133.2
[5 1 2]	(1 5 0)	(1 1 -3)	3.421	1.771	1.93	84.4	89.0
[15 3 4]	(1 5 0)	(1 -1 -3)	3.421	1.771	1.93	85.3	93.1
[5 -1 -6]	(1 5 0)	(1 -7 2)	3.421	1.768	1.94	59.5	129.8
[15 -3 10]	(1 5 0)	(2 0 -3)	3.421	1.754	1.95	86.5	81.0
[5 -1 -6]	(1 5 0)	(3 3 2)	3.421	1.750	1.95	58.6	129.8
[15 -3 8]	(1 5 0)	(2 2 -3)	3.421	1.723	1.99	76.4	85.0
[5 -1 4]	(1 5 0)	(2 -2 -3)	3.421	1.723	1.99	83.4	77.1

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[15 3 -2]	(1 5 0)	(0 2 3)	3.421	1.711	2.00	84.3	104.9
[15 -3 2]	(1 5 0)	(0 2 3)	3.421	1.711	2.00	75.7	97.1
[15 3 2]	(1 5 0)	(1 -3 -3)	3.421	1.708	2.00	75.4	97.1
[15 -3 8]	(1 5 0)	(1 -3 -3)	3.421	1.708	2.00	74.5	85.0
[5 -1 11]	(1 5 0)	(3 -7 -2)	3.421	1.705	2.01	63.0	45.8
[5 -1 9]	(1 5 0)	(2 -8 -2)	3.421	1.695	2.02	52.9	52.8
[15 -3 14]	(1 5 0)	(3 1 -3)	3.421	1.667	2.05	78.0	73.3
[15 3 16]	(1 5 0)	(3 1 -3)	3.421	1.667	2.05	87.8	69.7
[15 -3 -4]	(1 5 0)	(1 1 3)	3.421	1.645	2.08	77.4	108.6
[5 -1 -2]	(1 5 0)	(1 -1 3)	3.421	1.645	2.08	87.0	112.2
[15 -3 14]	(1 5 0)	(2 -4 -3)	3.421	1.639	2.09	74.1	73.3
[5 -1 2]	(1 5 0)	(2 4 -3)	3.421	1.639	2.09	67.1	89.0
[5 -1 -5]	(1 5 0)	(3 5 2)	3.421	1.636	2.09	49.2	126.0
[5 1 11]	(1 5 0)	(5 -3 -2)	3.421	1.634	2.09	58.6	45.8
[15 -3 -4]	(1 5 0)	(0 4 -3)	3.421	1.628	2.10	75.0	108.6
[15 -3 4]	(1 5 0)	(0 4 3)	3.421	1.628	2.10	66.4	93.1
[5 1 0]	(1 5 0)	(1 5 -3)	3.421	1.601	2.14	66.5	101.1
[15 -3 10]	(1 5 0)	(1 -5 -3)	3.421	1.601	2.14	65.7	81.0
[15 -3 -2]	(1 5 0)	(1 3 3)	3.421	1.595	2.15	68.1	104.9
[15 3 -8]	(1 5 0)	(1 3 3)	3.421	1.595	2.15	83.6	115.6
[15 3 20]	(1 5 0)	(4 0 -3)	3.421	1.559	2.20	79.8	62.9
[5 1 -7]	(1 5 0)	(1 9 2)	3.421	1.553	2.20	53.0	133.2
[5 1 10]	(1 5 0)	(5 -5 -2)	3.421	1.539	2.22	49.7	49.1
[15 3 22]	(1 5 0)	(4 2 -3)	3.421	1.537	2.23	89.0	59.7
[5 1 6]	(1 5 0)	(4 -2 -3)	3.421	1.537	2.23	70.8	66.2
[15 3 -10]	(1 5 0)	(2 0 3)	3.421	1.532	2.23	79.3	118.8
[15 3 10]	(1 5 0)	(3 -5 -3)	3.421	1.523	2.25	60.1	81.0
[15 3 20]	(1 5 0)	(3 5 -3)	3.421	1.523	2.25	74.2	62.9
[15 3 4]	(1 5 0)	(2 -6 -3)	3.421	1.522	2.25	59.0	93.1
[15 -3 16]	(1 5 0)	(2 -6 -3)	3.421	1.522	2.25	65.8	69.7
[5 1 2]	(1 5 0)	(0 6 -3)	3.421	1.514	2.26	58.3	89.0
[5 1 -2]	(1 5 0)	(0 6 3)	3.421	1.514	2.26	66.8	112.2
[5 1 -4]	(1 5 0)	(2 2 3)	3.421	1.511	2.26	88.3	121.8
[15 3 -8]	(1 5 0)	(2 -2 3)	3.421	1.511	2.26	70.3	115.6
[15 3 -10]	(1 5 0)	(1 5 3)	3.421	1.507	2.27	75.1	118.8
[5 1 0]	(1 5 0)	(1 5 3)	3.421	1.507	2.27	59.6	101.1
[5 1 8]	(1 5 0)	(4 4 -3)	3.421	1.476	2.32	82.4	56.8
[15 3 16]	(1 5 0)	(4 -4 -3)	3.421	1.476	2.32	62.2	69.7
[15 3 -2]	(1 5 0)	(1 -7 -3)	3.421	1.473	2.32	58.9	104.9
[5 -1 4]	(1 5 0)	(1 -7 -3)	3.421	1.473	2.32	58.1	77.1
[15 3 -14]	(1 5 0)	(2 4 3)	3.421	1.454	2.35	83.2	124.6
[5 -1 -2]	(1 5 0)	(2 4 3)	3.421	1.454	2.35	61.9	112.2
[5 1 8]	(1 5 0)	(5 -1 -3)	3.421	1.426	2.40	73.2	56.8
[15 3 26]	(1 5 0)	(5 1 -3)	3.421	1.426	2.40	81.7	54.1
[15 3 8]	(1 5 0)	(3 -7 -3)	3.421	1.411	2.42	52.8	85.0

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[15 3 22]	(1 5 0)	(3 7 -3)	3.421	1.411	2.42	66.7	59.7
[5 1 -7]	(1 5 0)	(4 -6 2)	3.421	1.410	2.43	46.4	133.2
[15 3 -16]	(1 5 0)	(3 1 3)	3.421	1.399	2.45	81.2	127.3
[15 3 -14]	(1 5 0)	(3 -1 3)	3.421	1.399	2.45	72.8	124.6
[5 1 -4]	(1 5 0)	(1 7 3)	3.421	1.398	2.45	67.6	121.8
[15 3 2]	(1 5 0)	(1 -7 3)	3.421	1.398	2.45	52.4	97.1
[15 3 2]	(1 5 0)	(2 -8 -3)	3.421	1.394	2.45	52.1	97.1
[5 1 6]	(1 5 0)	(2 8 -3)	3.421	1.394	2.45	58.9	66.2
[15 -3 22]	(1 5 0)	(5 3 -3)	3.421	1.392	2.46	64.9	59.7
[15 -3 28]	(1 5 0)	(5 -3 -3)	3.421	1.392	2.46	90.0	51.5
[15 -3 26]	(1 5 0)	(4 -6 -3)	3.421	1.389	2.46	74.6	54.1
[15 -3 14]	(1 5 0)	(4 6 -3)	3.421	1.389	2.46	54.6	73.3
[15 -3 8]	(1 5 0)	(0 8 3)	3.421	1.388	2.47	51.5	85.0
[15 3 -8]	(1 5 0)	(0 8 3)	3.421	1.388	2.47	59.8	115.6
[15 -3 -4]	(1 5 0)	(2 6 3)	3.421	1.370	2.50	54.4	108.6
[15 3 -16]	(1 5 0)	(2 6 3)	3.421	1.370	2.50	75.5	127.3
[15 -3 14]	(1 5 0)	(1 -9 -3)	3.421	1.341	2.55	51.9	73.3
[15 -3 -4]	(1 5 0)	(1 9 -3)	3.421	1.341	2.55	52.7	108.6
[15 -3 20]	(1 5 0)	(5 5 -3)	3.421	1.333	2.57	57.3	62.9
[5 1 10]	(1 5 0)	(5 5 -3)	3.421	1.333	2.57	82.3	49.1
[15 -3 -10]	(1 5 0)	(3 5 3)	3.421	1.311	2.61	57.2	118.8
[15 -3 -20]	(1 5 0)	(3 -5 3)	3.421	1.311	2.61	83.0	132.1
[5 -1 10]	(1 5 0)	(6 0 -3)	3.421	1.302	2.63	75.6	49.1
[5 -1 8]	(1 5 0)	(3 -9 -3)	3.421	1.295	2.64	60.4	56.8
[5 -1 2]	(1 5 0)	(3 9 -3)	3.421	1.295	2.64	46.7	89.0
[15 -3 28]	(1 5 0)	(4 -8 -3)	3.421	1.290	2.65	67.9	51.5
[5 -1 4]	(1 5 0)	(4 8 -3)	3.421	1.290	2.65	48.1	77.1
[15 -3 32]	(1 5 0)	(6 -2 -3)	3.421	1.290	2.65	83.3	46.9
[15 -3 28]	(1 5 0)	(6 2 -3)	3.421	1.290	2.65	67.8	51.5
[15 -3 4]	(1 5 0)	(1 9 3)	3.421	1.284	2.66	46.3	93.1
[15 3 -14]	(1 5 0)	(1 9 3)	3.421	1.284	2.66	61.3	124.6
[15 -3 -20]	(1 5 0)	(4 0 3)	3.421	1.277	2.68	75.2	132.1
[15 -3 -2]	(1 5 0)	(2 8 3)	3.421	1.275	2.68	47.9	104.9
[5 1 -6]	(1 5 0)	(2 8 3)	3.421	1.275	2.68	68.8	129.8
[15 -3 20]	(1 5 0)	(2 -10 -3)	3.421	1.269	2.70	53.3	62.9
[5 -1 0]	(1 5 0)	(2 10 -3)	3.421	1.269	2.70	46.6	101.1
[5 -1 -6]	(1 5 0)	(4 2 3)	3.421	1.265	2.71	67.6	129.8
[15 -3 -22]	(1 5 0)	(4 -2 3)	3.421	1.265	2.71	82.9	134.3
[15 -3 10]	(1 5 0)	(0 10 3)	3.421	1.264	2.71	46.0	81.0
[15 -3 -10]	(1 5 0)	(0 10 -3)	3.421	1.264	2.71	54.2	118.8
[15 -3 32]	(1 5 0)	(5 -7 -3)	3.421	1.256	2.72	75.3	46.9
[5 1 6]	(1 5 0)	(5 -7 -3)	3.421	1.256	2.72	50.5	66.2
[15 -3 26]	(1 5 0)	(6 4 -3)	3.421	1.253	2.73	60.4	54.1

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[2 1 0]	(2 4 0)	(0 0 1)	3.278	5.224	.63	81.7	98.5
[2 1 1]	(2 4 0)	(1 -1 -1)	3.278	4.844	.68	65.3	86.9
[2 1 3]	(2 4 0)	(1 1 -1)	3.278	4.844	.68	87.6	65.3
[2 -1 -2]	(2 4 0)	(0 2 -1)	3.278	4.542	.72	76.9	119.1
[2 -1 2]	(2 4 0)	(0 2 1)	3.278	4.542	.72	61.5	75.6
[2 -1 -1]	(2 4 0)	(1 1 1)	3.278	4.102	.80	54.6	109.5
[2 1 -3]	(2 4 0)	(1 1 1)	3.278	4.102	.80	74.9	127.2
[2 -1 4]	(2 4 0)	(2 0 -1)	3.278	3.907	.84	61.5	56.4
[2 -1 5]	(2 4 0)	(1 -3 -1)	3.278	3.884	.84	74.4	49.1
[2 -1 -1]	(2 4 0)	(1 3 -1)	3.278	3.884	.84	50.5	109.5
[2 -1 4]	(2 4 0)	(0 4 1)	3.278	3.450	.95	50.9	56.4
[2 1 -4]	(2 4 0)	(0 4 1)	3.278	3.450	.95	63.9	133.9
[2 -1 -4]	(2 4 0)	(2 0 1)	3.278	3.176	1.03	55.7	133.9
[2 -1 5]	(2 4 0)	(3 1 -1)	3.278	2.922	1.12	46.4	49.1
[4 2 1]	(2 4 0)	(1 -1 -2)	3.278	2.634	1.24	81.1	92.8
[4 2 3]	(2 4 0)	(1 1 -2)	3.278	2.634	1.24	87.1	81.2
[2 -1 -1]	(2 4 0)	(0 2 -2)	3.278	2.513	1.30	86.8	109.5
[2 -1 1]	(2 4 0)	(0 2 2)	3.278	2.513	1.30	70.5	86.9
[2 1 2]	(2 4 0)	(2 0 -2)	3.278	2.511	1.31	76.3	75.6
[4 2 -1]	(2 4 0)	(1 -3 -2)	3.278	2.441	1.34	70.6	104.1
[4 -2 5]	(2 4 0)	(1 -3 -2)	3.278	2.441	1.34	76.3	70.3
[4 2 -3]	(2 4 0)	(1 1 2)	3.278	2.372	1.38	77.5	114.5
[4 -2 -1]	(2 4 0)	(1 1 2)	3.278	2.372	1.38	66.4	104.1
[4 -2 1]	(2 4 0)	(1 3 2)	3.278	2.228	1.47	56.7	92.8
[4 2 -5]	(2 4 0)	(1 3 2)	3.278	2.228	1.47	88.3	123.4
[4 2 7]	(2 4 0)	(3 1 -2)	3.278	2.226	1.47	73.1	60.6
[4 -2 5]	(2 4 0)	(3 1 -2)	3.278	2.226	1.47	62.4	70.3
[2 1 0]	(2 4 0)	(2 4 -2)	3.278	2.203	1.49	56.6	98.5
[2 1 4]	(2 4 0)	(2 4 -2)	3.278	2.203	1.49	82.3	56.4
[4 2 -3]	(2 4 0)	(1 -5 -2)	3.278	2.156	1.52	62.5	114.5
[4 2 7]	(2 4 0)	(1 5 -2)	3.278	2.156	1.52	67.9	60.6
[4 2 9]	(2 4 0)	(3 3 -2)	3.278	2.106	1.56	83.6	52.6
[4 -2 3]	(2 4 0)	(3 3 -2)	3.278	2.106	1.56	53.0	81.2
[2 1 -2]	(2 4 0)	(2 0 2)	3.278	2.104	1.56	64.5	119.1
[4 -2 -7]	(2 4 0)	(1 -5 2)	3.278	2.005	1.64	82.6	130.8
[4 2 3]	(2 4 0)	(1 -5 2)	3.278	2.005	1.64	49.5	81.2
[2 1 -3]	(2 4 0)	(0 6 2)	3.278	1.988	1.65	69.3	127.2
[2 -1 3]	(2 4 0)	(0 6 2)	3.278	1.988	1.65	55.1	65.3
[4 2 11]	(2 4 0)	(3 5 -2)	3.278	1.914	1.71	87.3	45.9
[4 -2 1]	(2 4 0)	(3 5 -2)	3.278	1.914	1.71	45.9	92.8
[2 1 -4]	(2 4 0)	(2 4 2)	3.278	1.913	1.71	84.6	133.9
[2 1 0]	(2 4 0)	(2 -4 2)	3.278	1.913	1.71	46.4	98.5
[2 -1 5]	(2 4 0)	(4 -2 -2)	3.278	1.911	1.72	71.4	49.1
[2 1 3]	(2 4 0)	(4 -2 -2)	3.278	1.911	1.72	52.0	65.3
[4 2 9]	(2 4 0)	(1 7 -2)	3.278	1.869	1.75	61.9	52.6

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[4 -2 -5]	(2 4 0)	(1 7 -2)	3.278	1.869	1.75	57.0	123.4
[4 2 -7]	(2 4 0)	(3 1 2)	3.278	1.817	1.80	64.0	130.8
[4 2 -5]	(2 4 0)	(3 -1 2)	3.278	1.817	1.80	54.6	123.4
[6 -3 1]	(2 4 0)	(1 1 -3)	3.278	1.771	1.85	86.9	94.7
[2 -1 1]	(2 4 0)	(1 -1 -3)	3.278	1.771	1.85	85.3	86.9
[6 3 4]	(2 4 0)	(2 0 -3)	3.278	1.754	1.87	83.2	83.1
[4 2 -3]	(2 4 0)	(3 -3 2)	3.278	1.750	1.87	46.1	114.5
[2 1 2]	(2 4 0)	(2 2 -3)	3.278	1.723	1.90	89.0	75.6
[6 3 2]	(2 4 0)	(2 -2 -3)	3.278	1.723	1.90	75.6	90.8
[6 -3 2]	(2 4 0)	(0 2 3)	3.278	1.711	1.92	74.1	90.8
[6 3 -2]	(2 4 0)	(0 2 3)	3.278	1.711	1.92	89.5	105.9
[6 -3 5]	(2 4 0)	(1 -3 -3)	3.278	1.708	1.92	77.7	79.3
[6 3 -1]	(2 4 0)	(1 -3 -3)	3.278	1.708	1.92	79.3	102.3
[2 1 -2]	(2 4 0)	(2 -8 -2)	3.278	1.695	1.93	46.6	119.1
[4 2 9]	(2 4 0)	(5 -1 -2)	3.278	1.688	1.94	52.8	52.6
[4 2 11]	(2 4 0)	(5 1 -2)	3.278	1.688	1.94	61.7	45.9
[6 3 7]	(2 4 0)	(3 1 -3)	3.278	1.667	1.97	80.1	72.0
[6 -3 5]	(2 4 0)	(3 1 -3)	3.278	1.667	1.97	72.5	79.3
[2 1 -1]	(2 4 0)	(1 1 3)	3.278	1.645	1.99	78.7	109.5
[6 3 -1]	(2 4 0)	(1 -1 3)	3.278	1.645	1.99	71.1	102.3
[2 1 0]	(2 4 0)	(2 -4 -3)	3.278	1.639	2.00	68.6	98.5
[6 3 8]	(2 4 0)	(2 4 -3)	3.278	1.639	2.00	81.7	68.6
[6 3 4]	(2 4 0)	(0 4 -3)	3.278	1.628	2.01	67.2	83.1
[6 3 -4]	(2 4 0)	(0 4 3)	3.278	1.628	2.01	83.2	112.8
[4 2 11]	(2 4 0)	(1 9 -2)	3.278	1.620	2.02	57.7	45.9
[4 2 -7]	(2 4 0)	(1 -9 -2)	3.278	1.620	2.02	53.3	130.8
[6 3 7]	(2 4 0)	(1 5 -3)	3.278	1.601	2.05	71.1	72.0
[2 1 -1]	(2 4 0)	(1 -5 -3)	3.278	1.601	2.05	72.6	109.5
[6 3 -5]	(2 4 0)	(1 3 3)	3.278	1.595	2.06	86.2	116.1
[6 -3 1]	(2 4 0)	(1 3 3)	3.278	1.595	2.06	64.1	94.7
[2 1 -3]	(2 4 0)	(4 -2 2)	3.278	1.565	2.10	47.4	127.2
[6 -3 8]	(2 4 0)	(4 0 -3)	3.278	1.559	2.10	70.2	68.6
[2 -1 2]	(2 4 0)	(4 2 -3)	3.278	1.537	2.13	63.1	75.6
[6 -3 10]	(2 4 0)	(4 -2 -3)	3.278	1.537	2.13	77.7	62.1
[6 -3 -4]	(2 4 0)	(2 0 3)	3.278	1.532	2.14	69.1	112.8
[6 -3 11]	(2 4 0)	(3 -5 -3)	3.278	1.523	2.15	85.4	59.2
[6 -3 1]	(2 4 0)	(3 5 -3)	3.278	1.523	2.15	59.2	94.7
[6 -3 10]	(2 4 0)	(2 -6 -3)	3.278	1.522	2.15	75.4	62.1
[6 3 -2]	(2 4 0)	(2 -6 -3)	3.278	1.522	2.15	62.8	105.9
[2 -1 -2]	(2 4 0)	(0 6 -3)	3.278	1.514	2.17	76.9	119.1
[2 -1 2]	(2 4 0)	(0 6 3)	3.278	1.514	2.17	61.5	75.6
[6 -3 -2]	(2 4 0)	(2 2 3)	3.278	1.511	2.17	62.1	105.9
[2 -1 -2]	(2 4 0)	(2 -2 3)	3.278	1.511	2.17	76.5	119.1
[2 -1 1]	(2 4 0)	(1 5 3)	3.278	1.507	2.18	58.0	86.9
[6 3 -7]	(2 4 0)	(1 5 3)	3.278	1.507	2.18	86.8	122.0

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[2 -1 5]	(2 4 0)	(0 10 2)	3.278	1.503	2.18	48.2	49.1
[6 -3 4]	(2 4 0)	(4 4 -3)	3.278	1.476	2.22	56.7	83.1
[2 -1 4]	(2 4 0)	(4 -4 -3)	3.278	1.476	2.22	84.8	56.4
[2 -1 3]	(2 4 0)	(1 -7 -3)	3.278	1.473	2.23	65.7	65.3
[6 3 -5]	(2 4 0)	(1 -7 -3)	3.278	1.473	2.23	67.1	116.1
[2 1 0]	(2 4 0)	(2 4 3)	3.278	1.454	2.26	55.7	98.5
[6 3 -8]	(2 4 0)	(2 4 3)	3.278	1.454	2.26	83.6	124.7
[6 -3 11]	(2 4 0)	(5 -1 -3)	3.278	1.426	2.30	68.9	59.2
[2 -1 3]	(2 4 0)	(5 1 -3)	3.278	1.426	2.30	61.9	65.3
[6 -3 13]	(2 4 0)	(3 -7 -3)	3.278	1.411	2.32	79.4	53.8
[6 -3 -1]	(2 4 0)	(3 7 -3)	3.278	1.411	2.32	54.3	102.3
[6 -3 -5]	(2 4 0)	(3 1 3)	3.278	1.399	2.34	61.0	116.1
[6 -3 -7]	(2 4 0)	(3 -1 3)	3.278	1.399	2.34	67.9	122.0
[6 -3 5]	(2 4 0)	(1 7 3)	3.278	1.398	2.34	53.1	79.3
[2 -1 -3]	(2 4 0)	(1 -7 3)	3.278	1.398	2.34	80.8	127.2
[2 -1 4]	(2 4 0)	(2 -8 -3)	3.278	1.394	2.35	70.2	56.4
[6 -3 -4]	(2 4 0)	(2 8 -3)	3.278	1.394	2.35	58.2	112.8
[6 3 13]	(2 4 0)	(5 3 -3)	3.278	1.392	2.35	75.9	53.8
[6 3 7]	(2 4 0)	(5 -3 -3)	3.278	1.392	2.35	55.4	72.0
[6 3 2]	(2 4 0)	(4 -6 -3)	3.278	1.389	2.36	51.3	90.8
[6 3 14]	(2 4 0)	(4 6 -3)	3.278	1.389	2.36	88.7	51.3
[6 3 -8]	(2 4 0)	(0 8 3)	3.278	1.388	2.36	71.6	124.7
[6 -3 8]	(2 4 0)	(0 8 3)	3.278	1.388	2.36	56.9	68.6
[6 3 -10]	(2 4 0)	(2 6 3)	3.278	1.370	2.39	90.0	129.6
[6 -3 2]	(2 4 0)	(2 6 3)	3.278	1.370	2.39	50.4	90.8
[6 3 -7]	(2 4 0)	(1 -9 -3)	3.278	1.341	2.44	62.7	122.0
[6 3 11]	(2 4 0)	(1 9 -3)	3.278	1.341	2.44	61.4	59.2
[2 1 5]	(2 4 0)	(5 5 -3)	3.278	1.333	2.46	82.5	49.1
[6 -3 5]	(2 4 0)	(5 5 -3)	3.278	1.333	2.46	49.7	79.3
[6 3 -11]	(2 4 0)	(3 5 3)	3.278	1.311	2.50	81.5	131.9
[6 3 -1]	(2 4 0)	(3 -5 3)	3.278	1.311	2.50	48.9	102.3
[2 1 4]	(2 4 0)	(6 0 -3)	3.278	1.302	2.52	61.5	56.4
[2 1 -1]	(2 4 0)	(3 -9 -3)	3.278	1.295	2.53	50.5	109.5
[2 1 5]	(2 4 0)	(3 9 -3)	3.278	1.295	2.53	74.4	49.1
[2 1 0]	(2 4 0)	(4 -8 -3)	3.278	1.290	2.54	47.1	98.5
[6 3 16]	(2 4 0)	(4 8 -3)	3.278	1.290	2.54	83.1	46.9
[6 3 10]	(2 4 0)	(6 -2 -3)	3.278	1.290	2.54	55.1	62.1
[6 3 14]	(2 4 0)	(6 2 -3)	3.278	1.290	2.54	68.1	51.3
[6 3 -11]	(2 4 0)	(1 9 3)	3.278	1.284	2.55	75.7	131.9
[6 -3 7]	(2 4 0)	(1 9 3)	3.278	1.284	2.55	49.4	72.0
[6 3 -8]	(2 4 0)	(4 0 3)	3.278	1.277	2.57	60.8	124.7
[2 1 -4]	(2 4 0)	(2 8 3)	3.278	1.275	2.57	84.3	133.9
[6 -3 4]	(2 4 0)	(2 8 3)	3.278	1.275	2.57	46.2	83.1
[2 1 -2]	(2 4 0)	(2 -10 -3)	3.278	1.269	2.58	54.7	119.1
[6 3 14]	(2 4 0)	(2 10 -3)	3.278	1.269	2.58	66.0	51.3

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[6 3 -10]	(2 4 0)	(4 2 3)	3.278	1.265	2.59	67.3	129.6
[2 1 -2]	(2 4 0)	(4 -2 3)	3.278	1.265	2.59	54.4	119.1
[6 3 -10]	(2 4 0)	(0 10 3)	3.278	1.264	2.59	67.3	129.6
[6 3 10]	(2 4 0)	(0 10 -3)	3.278	1.264	2.59	53.5	62.1
[6 3 16]	(2 4 0)	(6 4 -3)	3.278	1.253	2.62	74.6	46.9
[6 -3 8]	(2 4 0)	(6 4 -3)	3.278	1.253	2.62	49.2	68.6
[1 3 0]	(3 1 0)	(0 0 1)	3.075	5.224	.59	78.3	92.0
[1 3 -2]	(3 1 0)	(1 -1 -1)	3.075	4.844	.63	68.5	102.7
[1 3 4]	(3 1 0)	(1 1 -1)	3.075	4.844	.63	73.8	70.9
[1 -3 -6]	(3 1 0)	(0 2 -1)	3.075	4.542	.68	84.6	121.3
[1 -3 6]	(3 1 0)	(0 2 1)	3.075	4.542	.68	75.0	61.7
[1 -3 2]	(3 1 0)	(1 1 1)	3.075	4.102	.75	51.1	81.1
[1 3 -4]	(3 1 0)	(1 1 1)	3.075	4.102	.75	56.4	112.6
[1 -3 2]	(3 1 0)	(2 0 -1)	3.075	3.907	.79	47.8	81.1
[1 -3 10]	(3 1 0)	(1 -3 -1)	3.075	3.884	.79	81.2	47.4
[1 -3 -8]	(3 1 0)	(1 3 -1)	3.075	3.884	.79	68.6	128.6
[1 3 8]	(3 1 0)	(2 2 -1)	3.075	3.596	.86	56.4	53.9
[1 3 -4]	(3 1 0)	(2 -2 -1)	3.075	3.596	.86	46.9	112.6
[1 -3 8]	(3 1 0)	(1 3 1)	3.075	3.469	.89	53.5	53.9
[1 3 -10]	(3 1 0)	(1 3 1)	3.075	3.469	.89	66.1	134.7
[1 3 -8]	(3 1 0)	(2 2 1)	3.075	3.002	1.02	46.0	128.6
[1 -3 -10]	(3 1 0)	(2 4 -1)	3.075	2.977	1.03	51.7	134.7
[1 3 -1]	(3 1 0)	(1 -1 -2)	3.075	2.634	1.17	84.4	97.4
[1 3 2]	(3 1 0)	(1 1 -2)	3.075	2.634	1.17	87.2	81.1
[1 -3 -3]	(3 1 0)	(0 2 -2)	3.075	2.513	1.22	81.4	107.8
[1 -3 3]	(3 1 0)	(0 2 2)	3.075	2.513	1.22	76.1	75.9
[1 3 1]	(3 1 0)	(2 0 -2)	3.075	2.511	1.22	70.5	86.5
[1 3 -4]	(3 1 0)	(1 -3 -2)	3.075	2.441	1.26	82.3	112.6
[1 -3 5]	(3 1 0)	(1 -3 -2)	3.075	2.441	1.26	89.9	66.2
[1 3 -2]	(3 1 0)	(1 1 2)	3.075	2.372	1.30	65.7	102.7
[1 -3 1]	(3 1 0)	(1 1 2)	3.075	2.372	1.30	62.9	86.5
[1 -3 4]	(3 1 0)	(1 3 2)	3.075	2.228	1.38	62.1	70.9
[1 3 -5]	(3 1 0)	(1 3 2)	3.075	2.228	1.38	69.7	117.1
[1 3 3]	(3 1 0)	(3 1 -2)	3.075	2.226	1.38	59.3	75.9
[1 3 0]	(3 1 0)	(3 1 -2)	3.075	2.226	1.38	56.6	92.0
[1 -3 -5]	(3 1 0)	(2 4 -2)	3.075	2.203	1.40	68.1	117.1
[1 3 7]	(3 1 0)	(2 4 -2)	3.075	2.203	1.40	77.7	57.7
[1 3 -7]	(3 1 0)	(1 -5 -2)	3.075	2.156	1.43	80.9	125.1
[1 3 8]	(3 1 0)	(1 5 -2)	3.075	2.156	1.43	87.8	53.9
[1 3 6]	(3 1 0)	(3 3 -2)	3.075	2.106	1.46	63.6	61.7
[1 -3 -3]	(3 1 0)	(3 3 -2)	3.075	2.106	1.46	56.0	107.8
[1 3 -1]	(3 1 0)	(2 0 2)	3.075	2.104	1.46	52.7	97.4
[1 -3 -8]	(3 1 0)	(1 -5 2)	3.075	2.005	1.53	74.0	128.6
[1 3 7]	(3 1 0)	(1 -5 2)	3.075	2.005	1.53	62.7	57.7

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 3 -9]	(3 1 0)	(0 6 2)	3.075	1.988	1.55	87.4	131.8
[1 -3 9]	(3 1 0)	(0 6 2)	3.075	1.988	1.55	74.8	50.5
[1 3 9]	(3 1 0)	(3 5 -2)	3.075	1.914	1.61	68.3	50.5
[1 -3 -6]	(3 1 0)	(3 5 -2)	3.075	1.914	1.61	57.1	121.3
[1 3 -7]	(3 1 0)	(2 4 2)	3.075	1.913	1.61	61.2	125.1
[1 3 5]	(3 1 0)	(2 -4 2)	3.075	1.913	1.61	51.6	66.2
[1 -3 5]	(3 1 0)	(4 -2 -2)	3.075	1.911	1.61	51.5	66.2
[1 3 -1]	(3 1 0)	(4 -2 -2)	3.075	1.911	1.61	46.2	97.4
[1 -3 -10]	(3 1 0)	(1 7 -2)	3.075	1.869	1.65	80.2	134.7
[1 3 -3]	(3 1 0)	(3 1 2)	3.075	1.817	1.69	45.7	107.8
[3 -9 -2]	(3 1 0)	(1 1 -3)	3.075	1.771	1.74	89.8	95.6
[3 -9 4]	(3 1 0)	(1 -1 -3)	3.075	1.771	1.74	88.0	84.7
[1 3 10]	(3 1 0)	(1 -7 2)	3.075	1.768	1.74	64.1	47.4
[3 9 2]	(3 1 0)	(2 0 -3)	3.075	1.754	1.75	80.5	88.4
[1 3 -6]	(3 1 0)	(3 3 2)	3.075	1.750	1.76	50.1	121.3
[3 9 8]	(3 1 0)	(2 2 -3)	3.075	1.723	1.78	82.5	77.6
[3 9 -4]	(3 1 0)	(2 -2 -3)	3.075	1.723	1.78	78.8	99.2
[1 -3 2]	(3 1 0)	(0 2 3)	3.075	1.711	1.80	76.7	81.1
[1 3 -2]	(3 1 0)	(0 2 3)	3.075	1.711	1.80	80.3	102.7
[3 -9 10]	(3 1 0)	(1 -3 -3)	3.075	1.708	1.80	86.2	74.2
[3 9 -8]	(3 1 0)	(1 -3 -3)	3.075	1.708	1.80	88.4	106.2
[1 3 -9]	(3 1 0)	(3 -7 -2)	3.075	1.705	1.80	59.0	131.8
[1 3 2]	(3 1 0)	(3 1 -3)	3.075	1.667	1.84	71.5	81.1
[1 3 0]	(3 1 0)	(3 1 -3)	3.075	1.667	1.84	69.6	92.0
[1 3 -7]	(3 1 0)	(4 -6 -2)	3.075	1.647	1.87	49.0	125.1
[3 9 -4]	(3 1 0)	(1 1 3)	3.075	1.645	1.87	69.5	99.2
[3 9 2]	(3 1 0)	(1 -1 3)	3.075	1.645	1.87	67.7	88.4
[3 9 -10]	(3 1 0)	(2 -4 -3)	3.075	1.639	1.88	77.6	109.5
[3 9 14]	(3 1 0)	(2 4 -3)	3.075	1.639	1.88	84.6	67.7
[1 3 -9]	(3 1 0)	(3 5 2)	3.075	1.636	1.88	55.3	131.8
[1 -3 7]	(3 1 0)	(5 -3 -2)	3.075	1.634	1.88	46.4	57.7
[1 3 4]	(3 1 0)	(0 4 -3)	3.075	1.628	1.89	75.6	70.9
[1 3 -4]	(3 1 0)	(0 4 3)	3.075	1.628	1.89	82.5	112.6
[3 9 16]	(3 1 0)	(1 5 -3)	3.075	1.601	1.92	84.8	64.6
[3 9 -14]	(3 1 0)	(1 -5 -3)	3.075	1.601	1.92	86.8	115.7
[3 9 -10]	(3 1 0)	(1 3 3)	3.075	1.595	1.93	71.9	109.5
[3 -9 8]	(3 1 0)	(1 3 3)	3.075	1.595	1.93	66.6	77.6
[3 -9 4]	(3 1 0)	(4 0 -3)	3.075	1.559	1.97	61.6	84.7
[1 -3 10]	(3 1 0)	(5 -5 -2)	3.075	1.539	2.00	51.6	47.4
[3 -9 -2]	(3 1 0)	(4 2 -3)	3.075	1.537	2.00	60.2	95.6
[3 -9 10]	(3 1 0)	(4 -2 -3)	3.075	1.537	2.00	63.8	74.2
[3 -9 -2]	(3 1 0)	(2 0 3)	3.075	1.532	2.01	59.9	95.6
[1 -3 6]	(3 1 0)	(3 -5 -3)	3.075	1.523	2.02	76.4	61.7
[1 -3 -4]	(3 1 0)	(3 5 -3)	3.075	1.523	2.02	68.1	112.6
[3 -9 20]	(3 1 0)	(2 -6 -3)	3.075	1.522	2.02	86.5	59.0

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 9 -16]	(3 1 0)	(2 -6 -3)	3.075	1.522	2.02	76.9	118.6
[1 -3 -6]	(3 1 0)	(0 6 -3)	3.075	1.514	2.03	84.6	121.3
[1 -3 6]	(3 1 0)	(0 6 3)	3.075	1.514	2.03	75.0	61.7
[3 -9 4]	(3 1 0)	(2 2 3)	3.075	1.511	2.03	58.5	84.7
[3 -9 -8]	(3 1 0)	(2 -2 3)	3.075	1.511	2.03	62.2	106.2
[3 -9 14]	(3 1 0)	(1 5 3)	3.075	1.507	2.04	66.3	67.7
[3 9 -16]	(3 1 0)	(1 5 3)	3.075	1.507	2.04	74.6	118.6
[1 -3 9]	(3 1 0)	(3 7 2)	3.075	1.499	2.05	46.7	50.5
[3 -9 -8]	(3 1 0)	(4 4 -3)	3.075	1.476	2.08	59.7	106.2
[3 -9 16]	(3 1 0)	(4 -4 -3)	3.075	1.476	2.08	66.6	64.6
[3 -9 22]	(3 1 0)	(1 -7 -3)	3.075	1.473	2.09	83.7	56.4
[3 9 -20]	(3 1 0)	(1 -7 -3)	3.075	1.473	2.09	85.5	123.9
[3 -9 10]	(3 1 0)	(2 4 3)	3.075	1.454	2.12	58.1	74.2
[3 9 -14]	(3 1 0)	(2 4 3)	3.075	1.454	2.12	65.0	115.7
[3 -9 8]	(3 1 0)	(5 -1 -3)	3.075	1.426	2.16	55.1	77.6
[3 -9 2]	(3 1 0)	(5 1 -3)	3.075	1.426	2.16	53.3	88.4
[1 -3 8]	(3 1 0)	(3 -7 -3)	3.075	1.411	2.18	78.9	53.9
[1 -3 -6]	(3 1 0)	(3 7 -3)	3.075	1.411	2.18	68.2	121.3
[1 3 0]	(3 1 0)	(3 1 3)	3.075	1.399	2.20	51.9	92.0
[1 -3 -2]	(3 1 0)	(3 -1 3)	3.075	1.399	2.20	53.7	102.7
[3 -9 20]	(3 1 0)	(1 7 3)	3.075	1.398	2.20	66.5	59.0
[3 -9 -22]	(3 1 0)	(1 -7 3)	3.075	1.398	2.20	77.2	126.3
[3 -9 26]	(3 1 0)	(2 -8 -3)	3.075	1.394	2.21	88.3	51.6
[3 -9 -22]	(3 1 0)	(2 8 -3)	3.075	1.394	2.21	76.5	126.3
[3 9 14]	(3 1 0)	(5 3 -3)	3.075	1.392	2.21	57.8	67.7
[3 9 -4]	(3 1 0)	(5 -3 -3)	3.075	1.392	2.21	52.4	99.2
[3 9 -14]	(3 1 0)	(4 -6 -3)	3.075	1.389	2.21	60.0	115.7
[3 9 22]	(3 1 0)	(4 6 -3)	3.075	1.389	2.21	69.6	56.4
[1 3 -8]	(3 1 0)	(0 8 3)	3.075	1.388	2.22	86.5	128.6
[1 -3 8]	(3 1 0)	(0 8 3)	3.075	1.388	2.22	74.8	53.9
[3 9 -20]	(3 1 0)	(2 6 3)	3.075	1.370	2.24	68.1	123.9
[3 -9 16]	(3 1 0)	(2 6 3)	3.075	1.370	2.24	58.5	64.6
[3 9 -26]	(3 1 0)	(1 -9 -3)	3.075	1.341	2.29	84.5	130.8
[3 9 28]	(3 1 0)	(1 9 -3)	3.075	1.341	2.29	82.8	49.4
[3 9 20]	(3 1 0)	(5 5 -3)	3.075	1.333	2.31	60.9	59.0
[3 -9 -10]	(3 1 0)	(5 5 -3)	3.075	1.333	2.31	52.6	109.5
[1 3 -6]	(3 1 0)	(3 5 3)	3.075	1.311	2.35	59.5	121.3
[1 3 4]	(3 1 0)	(3 -5 3)	3.075	1.311	2.35	51.2	70.9
[1 3 2]	(3 1 0)	(6 0 -3)	3.075	1.302	2.36	47.8	81.1
[1 3 -8]	(3 1 0)	(3 -9 -3)	3.075	1.295	2.38	68.6	128.6
[1 3 10]	(3 1 0)	(3 9 -3)	3.075	1.295	2.38	81.2	47.4
[3 9 -20]	(3 1 0)	(4 -8 -3)	3.075	1.290	2.38	60.8	123.9
[3 9 28]	(3 1 0)	(4 8 -3)	3.075	1.290	2.38	72.6	49.4
[1 3 0]	(3 1 0)	(6 -2 -3)	3.075	1.290	2.38	46.5	92.0
[1 3 4]	(3 1 0)	(6 2 -3)	3.075	1.290	2.38	50.1	70.9

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[3 9 -28]	(3 1 0)	(1 9 3)	3.075	1.284	2.39	79.7	132.8
[3 -9 26]	(3 1 0)	(1 9 3)	3.075	1.284	2.39	67.0	51.6
[3 9 -4]	(3 1 0)	(4 0 3)	3.075	1.277	2.41	46.6	99.2
[3 9 -26]	(3 1 0)	(2 8 3)	3.075	1.275	2.41	71.1	130.8
[3 -9 22]	(3 1 0)	(2 8 3)	3.075	1.275	2.41	59.4	56.4
[3 9 -28]	(3 1 0)	(2 -10 -3)	3.075	1.269	2.42	76.4	132.8
[3 9 32]	(3 1 0)	(2 10 -3)	3.075	1.269	2.42	89.8	45.5
[3 9 -10]	(3 1 0)	(4 2 3)	3.075	1.265	2.43	48.9	109.5
[3 9 2]	(3 1 0)	(4 -2 3)	3.075	1.265	2.43	45.3	88.4
[1 3 -10]	(3 1 0)	(0 10 3)	3.075	1.264	2.43	88.2	134.7
[1 3 10]	(3 1 0)	(0 10 -3)	3.075	1.264	2.43	74.8	47.4
[3 9 -16]	(3 1 0)	(5 -7 -3)	3.075	1.256	2.45	53.5	118.6
[3 -9 26]	(3 1 0)	(5 -7 -3)	3.075	1.256	2.45	64.2	51.6
[1 3 6]	(3 1 0)	(6 4 -3)	3.075	1.253	2.45	53.1	61.7
[1 -3 -2]	(3 1 0)	(6 4 -3)	3.075	1.253	2.45	46.2	102.7
[7 1 0]	(1 7 0)	(0 0 1)	2.528	5.224	.48	86.8	101.4
[7 1 6]	(1 7 0)	(1 -1 -1)	2.528	4.844	.52	70.0	75.0
[7 1 8]	(1 7 0)	(1 1 -1)	2.528	4.844	.52	80.5	67.0
[7 -1 -2]	(1 7 0)	(0 2 -1)	2.528	4.542	.56	64.7	109.8
[7 -1 2]	(1 7 0)	(0 2 1)	2.528	4.542	.56	58.4	92.6
[7 -1 -6]	(1 7 0)	(1 1 1)	2.528	4.102	.62	67.9	123.9
[7 1 -8]	(1 7 0)	(1 1 1)	2.528	4.102	.62	87.0	129.7
[7 -1 14]	(1 7 0)	(2 0 -1)	2.528	3.907	.65	79.4	48.1
[7 -1 10]	(1 7 0)	(1 -3 -1)	2.528	3.884	.65	57.4	59.8
[7 -1 4]	(1 7 0)	(1 3 -1)	2.528	3.884	.65	47.1	83.6
[7 1 12]	(1 7 0)	(2 -2 -1)	2.528	3.596	.70	56.9	53.5
[7 -1 -4]	(1 7 0)	(1 3 1)	2.528	3.469	.73	47.0	117.3
[7 1 -10]	(1 7 0)	(1 3 1)	2.528	3.469	.73	65.9	134.6
[7 1 -4]	(1 7 0)	(0 4 1)	2.528	3.450	.73	46.7	117.3
[7 1 3]	(1 7 0)	(1 -1 -2)	2.528	2.634	.96	80.9	88.1
[7 1 4]	(1 7 0)	(1 1 -2)	2.528	2.634	.96	83.2	83.6
[7 -1 -1]	(1 7 0)	(0 2 -2)	2.528	2.513	1.01	77.9	105.7
[7 -1 1]	(1 7 0)	(0 2 2)	2.528	2.513	1.01	71.5	97.1
[7 1 7]	(1 7 0)	(2 0 -2)	2.528	2.511	1.01	84.7	70.9
[7 1 2]	(1 7 0)	(1 -3 -2)	2.528	2.441	1.04	66.3	92.6
[7 -1 5]	(1 7 0)	(1 -3 -2)	2.528	2.441	1.04	68.6	79.2
[7 1 -4]	(1 7 0)	(1 1 2)	2.528	2.372	1.07	89.7	117.3
[7 -1 -3]	(1 7 0)	(1 1 2)	2.528	2.372	1.07	75.9	113.6
[7 -1 -2]	(1 7 0)	(1 3 2)	2.528	2.228	1.13	62.5	109.8
[7 1 -5]	(1 7 0)	(1 3 2)	2.528	2.228	1.13	76.2	120.7
[7 1 11]	(1 7 0)	(3 1 -2)	2.528	2.226	1.14	88.3	56.5
[7 -1 10]	(1 7 0)	(3 1 -2)	2.528	2.226	1.14	74.8	59.8
[7 -1 5]	(1 7 0)	(2 4 -2)	2.528	2.203	1.15	57.2	79.2
[7 1 9]	(1 7 0)	(2 4 -2)	2.528	2.203	1.15	67.6	63.3

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[7 1 1]	(1 7 0)	(1 -5 -2)	2.528	2.156	1.17	54.5	97.1
[7 1 6]	(1 7 0)	(1 5 -2)	2.528	2.156	1.17	56.8	75.0
[7 1 12]	(1 7 0)	(3 3 -2)	2.528	2.106	1.20	78.9	53.5
[7 -1 9]	(1 7 0)	(3 3 -2)	2.528	2.106	1.20	62.1	63.3
[7 1 -7]	(1 7 0)	(2 0 2)	2.528	2.104	1.20	80.4	126.9
[7 -1 -6]	(1 7 0)	(1 -5 2)	2.528	2.005	1.26	64.9	123.9
[7 1 -1]	(1 7 0)	(1 -5 2)	2.528	2.005	1.26	51.3	105.7
[7 1 -3]	(1 7 0)	(0 6 2)	2.528	1.988	1.27	54.4	113.6
[7 -1 3]	(1 7 0)	(0 6 2)	2.528	1.988	1.27	48.2	88.1
[7 1 13]	(1 7 0)	(3 5 -2)	2.528	1.914	1.32	67.9	50.7
[7 -1 8]	(1 7 0)	(3 5 -2)	2.528	1.914	1.32	51.2	67.0
[7 1 -9]	(1 7 0)	(2 4 2)	2.528	1.913	1.32	75.5	132.2
[7 1 -5]	(1 7 0)	(2 -4 2)	2.528	1.913	1.32	56.5	120.7
[7 -1 15]	(1 7 0)	(4 -2 -2)	2.528	1.911	1.32	88.8	45.7
[7 1 13]	(1 7 0)	(4 -2 -2)	2.528	1.911	1.32	67.7	50.7
[7 1 7]	(1 7 0)	(1 7 -2)	2.528	1.869	1.35	47.8	70.9
[7 1 0]	(1 7 0)	(1 7 -2)	2.528	1.869	1.35	45.6	101.4
[7 1 -10]	(1 7 0)	(3 -1 2)	2.528	1.817	1.39	73.1	134.6
[7 -1 2]	(1 7 0)	(1 1 -3)	2.528	1.771	1.43	85.0	92.6
[21 -3 8]	(1 7 0)	(1 -1 -3)	2.528	1.771	1.43	84.4	89.6
[7 1 -7]	(1 7 0)	(1 7 2)	2.528	1.768	1.43	56.0	126.9
[21 3 14]	(1 7 0)	(2 0 -3)	2.528	1.754	1.44	87.4	80.7
[7 1 -9]	(1 7 0)	(3 -3 2)	2.528	1.750	1.44	62.4	132.2
[21 3 16]	(1 7 0)	(2 2 -3)	2.528	1.723	1.47	82.2	77.8
[7 1 4]	(1 7 0)	(2 -2 -3)	2.528	1.723	1.47	77.0	83.6
[21 -3 2]	(1 7 0)	(0 2 3)	2.528	1.711	1.48	76.5	98.5
[21 3 -2]	(1 7 0)	(0 2 3)	2.528	1.711	1.48	82.8	104.3
[21 -3 10]	(1 7 0)	(1 -3 -3)	2.528	1.708	1.48	74.1	86.6
[21 3 4]	(1 7 0)	(1 -3 -3)	2.528	1.708	1.48	74.7	95.6
[7 1 14]	(1 7 0)	(3 7 -2)	2.528	1.705	1.48	59.1	48.1
[7 1 11]	(1 7 0)	(2 8 -2)	2.528	1.695	1.49	49.6	56.5
[21 3 22]	(1 7 0)	(3 1 -3)	2.528	1.667	1.52	89.8	69.5
[21 -3 20]	(1 7 0)	(3 1 -3)	2.528	1.667	1.52	79.7	72.2
[7 1 11]	(1 7 0)	(4 -6 -2)	2.528	1.647	1.53	47.7	56.5
[21 3 -8]	(1 7 0)	(1 1 3)	2.528	1.645	1.54	89.2	112.4
[7 1 -2]	(1 7 0)	(1 -1 3)	2.528	1.645	1.54	79.3	109.8
[21 3 10]	(1 7 0)	(2 -4 -3)	2.528	1.639	1.54	67.3	86.6
[7 1 6]	(1 7 0)	(2 4 -3)	2.528	1.639	1.54	72.5	75.0
[7 -1 -8]	(1 7 0)	(3 5 2)	2.528	1.636	1.55	52.8	129.7
[21 3 4]	(1 7 0)	(0 4 -3)	2.528	1.628	1.55	66.9	95.6
[21 3 -4]	(1 7 0)	(0 4 3)	2.528	1.628	1.55	73.2	107.1
[7 1 4]	(1 7 0)	(1 5 -3)	2.528	1.601	1.58	64.9	83.6
[21 3 2]	(1 7 0)	(1 -5 -3)	2.528	1.601	1.58	65.5	98.5
[21 3 -10]	(1 7 0)	(1 3 3)	2.528	1.595	1.58	81.2	114.9
[21 -3 -4]	(1 7 0)	(1 3 3)	2.528	1.595	1.58	69.7	107.1

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[21 -3 28]	(1 7 0)	(4 0 -3)	2.528	1.559	1.62	82.5	62.1
[7 -1 -8]	(1 7 0)	(1 -9 2)	2.528	1.553	1.63	49.1	129.7
[7 -1 15]	(1 7 0)	(5 5 -2)	2.528	1.539	1.64	53.7	45.7
[21 -3 26]	(1 7 0)	(4 2 -3)	2.528	1.537	1.65	73.2	64.5
[7 -1 10]	(1 7 0)	(4 -2 -3)	2.528	1.537	1.65	88.1	59.8
[21 -3 -14]	(1 7 0)	(2 0 3)	2.528	1.532	1.65	82.1	119.6
[21 -3 26]	(1 7 0)	(3 -5 -3)	2.528	1.523	1.66	71.6	64.5
[21 -3 16]	(1 7 0)	(3 5 -3)	2.528	1.523	1.66	61.2	77.8
[21 -3 20]	(1 7 0)	(2 -6 -3)	2.528	1.522	1.66	64.0	72.2
[21 3 8]	(1 7 0)	(2 -6 -3)	2.528	1.522	1.66	58.8	89.6
[7 -1 -2]	(1 7 0)	(0 6 -3)	2.528	1.514	1.67	64.7	109.8
[7 -1 2]	(1 7 0)	(0 6 3)	2.528	1.514	1.67	58.4	92.6
[7 -1 -4]	(1 7 0)	(2 2 3)	2.528	1.511	1.67	72.9	117.3
[21 -3 -16]	(1 7 0)	(2 -2 3)	2.528	1.511	1.67	88.7	121.8
[7 -1 15]	(1 7 0)	(3 -9 -2)	2.528	1.510	1.67	52.2	45.7
[21 -3 -2]	(1 7 0)	(1 5 3)	2.528	1.507	1.68	60.9	104.3
[7 1 -4]	(1 7 0)	(1 5 3)	2.528	1.507	1.68	72.4	117.3
[7 -1 8]	(1 7 0)	(4 4 -3)	2.528	1.476	1.71	64.4	67.0
[21 -3 32]	(1 7 0)	(4 -4 -3)	2.528	1.476	1.71	79.3	57.6
[21 -3 14]	(1 7 0)	(1 -7 -3)	2.528	1.473	1.72	57.0	80.7
[7 1 0]	(1 7 0)	(1 -7 -3)	2.528	1.473	1.72	57.6	101.4
[21 -3 -10]	(1 7 0)	(2 4 3)	2.528	1.454	1.74	64.2	114.9
[7 1 -6]	(1 7 0)	(2 4 3)	2.528	1.454	1.74	80.0	123.9
[7 -1 12]	(1 7 0)	(5 -1 -3)	2.528	1.426	1.77	85.1	53.5
[21 -3 34]	(1 7 0)	(5 1 -3)	2.528	1.426	1.77	76.4	55.5
[7 -1 14]	(1 7 0)	(5 7 -2)	2.528	1.424	1.78	45.8	48.1
[21 -3 28]	(1 7 0)	(3 -7 -3)	2.528	1.411	1.79	63.9	62.1
[21 -3 14]	(1 7 0)	(3 7 -3)	2.528	1.411	1.79	53.5	80.7
[21 -3 -20]	(1 7 0)	(3 1 3)	2.528	1.399	1.81	76.2	126.0
[21 -3 -22]	(1 7 0)	(3 -1 3)	2.528	1.399	1.81	84.7	127.9
[7 -1 0]	(1 7 0)	(1 7 3)	2.528	1.398	1.81	53.3	101.4
[21 -3 -14]	(1 7 0)	(1 -7 3)	2.528	1.398	1.81	64.7	119.6
[21 -3 22]	(1 7 0)	(2 -8 -3)	2.528	1.394	1.81	56.8	69.5
[7 -1 2]	(1 7 0)	(2 8 -3)	2.528	1.394	1.81	51.7	92.6
[21 3 38]	(1 7 0)	(5 3 -3)	2.528	1.392	1.82	86.4	51.6
[21 3 32]	(1 7 0)	(5 -3 -3)	2.528	1.392	1.82	68.0	57.6
[21 3 22]	(1 7 0)	(4 -6 -3)	2.528	1.389	1.82	56.4	69.5
[21 3 34]	(1 7 0)	(4 6 -3)	2.528	1.389	1.82	71.3	55.5
[21 3 -8]	(1 7 0)	(0 8 3)	2.528	1.388	1.82	57.5	112.4
[21 -3 8]	(1 7 0)	(0 8 3)	2.528	1.388	1.82	51.3	89.6
[21 3 -20]	(1 7 0)	(2 6 3)	2.528	1.370	1.84	72.1	126.0
[21 -3 -8]	(1 7 0)	(2 6 3)	2.528	1.370	1.84	56.4	112.4
[21 3 -2]	(1 7 0)	(1 -9 -3)	2.528	1.341	1.88	51.1	104.3
[21 3 16]	(1 7 0)	(1 9 -3)	2.528	1.341	1.88	50.5	77.8
[7 -1 10]	(1 7 0)	(5 5 -3)	2.528	1.333	1.90	60.1	59.8

(JCPDS 19-1601: a 9.562Å b 18.380Å c 5.338Å α 90° β 101.86° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[21 3 -26]	(1 7 0)	(3 5 3)	2.528	1.311	1.93	79.2	131.4
[21 3 -16]	(1 7 0)	(3 -5 3)	2.528	1.311	1.93	60.1	121.8
[7 1 14]	(1 7 0)	(6 0 -3)	2.528	1.302	1.94	79.4	48.1
[7 1 4]	(1 7 0)	(3 -9 -3)	2.528	1.295	1.95	47.1	83.6
[7 1 10]	(1 7 0)	(3 9 -3)	2.528	1.295	1.95	57.4	59.8
[21 3 20]	(1 7 0)	(4 -8 -3)	2.528	1.290	1.96	49.6	72.2
[7 1 12]	(1 7 0)	(4 8 -3)	2.528	1.290	1.96	64.4	53.5
[21 3 -16]	(1 7 0)	(1 9 3)	2.528	1.284	1.97	58.2	121.8
[21 -3 2]	(1 7 0)	(1 9 3)	2.528	1.284	1.97	46.9	98.5
[21 3 -28]	(1 7 0)	(4 0 3)	2.528	1.277	1.98	79.2	133.1
[21 3 -22]	(1 7 0)	(2 8 3)	2.528	1.275	1.98	65.2	127.9
[7 -1 -2]	(1 7 0)	(2 8 3)	2.528	1.275	1.98	49.6	109.8
[21 3 4]	(1 7 0)	(2 -10 -3)	2.528	1.269	1.99	45.8	95.6
[7 1 8]	(1 7 0)	(2 10 -3)	2.528	1.269	1.99	50.8	67.0
[7 1 -10]	(1 7 0)	(4 2 3)	2.528	1.265	2.00	86.9	134.6
[21 3 -26]	(1 7 0)	(4 -2 3)	2.528	1.265	2.00	71.4	131.4
[21 3 -10]	(1 7 0)	(0 10 3)	2.528	1.264	2.00	51.5	114.9
[21 3 10]	(1 7 0)	(0 10 -3)	2.528	1.264	2.00	45.4	86.6
[21 3 28]	(1 7 0)	(5 -7 -3)	2.528	1.256	2.01	53.0	62.1
[7 -1 14]	(1 7 0)	(5 -7 -3)	2.528	1.256	2.01	71.4	48.1

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[1 0 0]	(0 2 0)	(0 0 1)	9.208	5.056	1.82	90.0	105.0
[1 0 1]	(0 2 0)	(1 1 -1)	9.208	4.870	1.89	74.7	74.7
[1 0 0]	(0 2 0)	(0 2 -1)	9.208	4.432	2.08	61.2	105.0
[1 0 2]	(0 2 0)	(2 0 -1)	9.208	4.061	2.27	90.0	50.9
[1 0 -1]	(0 2 0)	(1 -1 1)	9.208	3.976	2.32	77.5	128.9
[1 0 1]	(0 2 0)	(1 -3 -1)	9.208	3.900	2.36	50.6	74.7
[1 0 2]	(0 2 0)	(2 2 -1)	9.208	3.716	2.48	66.2	50.9
[1 0 -1]	(0 2 0)	(1 3 1)	9.208	3.393	2.71	56.4	128.9
[1 0 2]	(0 2 0)	(2 -4 -1)	9.208	3.046	3.02	48.6	50.9
[2 0 1]	(0 2 0)	(1 1 -2)	9.208	2.591	3.55	81.9	89.8
[1 0 1]	(0 2 0)	(2 0 -2)	9.208	2.525	3.65	90.0	74.7
[1 0 0]	(0 2 0)	(0 2 -2)	9.208	2.438	3.78	74.6	105.0
[2 0 1]	(0 2 0)	(1 -3 -2)	9.208	2.407	3.82	66.9	89.8
[2 0 -1]	(0 2 0)	(1 1 2)	9.208	2.287	4.03	82.9	118.3
[2 0 3]	(0 2 0)	(3 1 -2)	9.208	2.282	4.03	82.9	61.5
[1 0 1]	(0 2 0)	(2 -4 -2)	9.208	2.214	4.16	61.3	74.7
[2 0 -1]	(0 2 0)	(1 3 2)	9.208	2.158	4.27	69.4	118.3
[2 0 3]	(0 2 0)	(3 3 -2)	9.208	2.154	4.28	69.5	61.5
[2 0 1]	(0 2 0)	(1 5 -2)	9.208	2.133	4.32	54.6	89.8
[1 0 -1]	(0 2 0)	(2 0 2)	9.208	2.036	4.52	90.0	128.9
[1 0 2]	(0 2 0)	(4 2 -2)	9.208	1.983	4.64	77.6	50.9
[2 0 -1]	(0 2 0)	(1 5 2)	9.208	1.954	4.71	58.0	118.3
[1 0 0]	(0 2 0)	(0 6 -2)	9.208	1.951	4.72	50.5	105.0
[2 0 3]	(0 2 0)	(3 5 -2)	9.208	1.951	4.72	58.0	61.5
[1 0 -1]	(0 2 0)	(2 4 2)	9.208	1.862	4.94	66.1	128.9
[2 0 1]	(0 2 0)	(1 -7 -2)	9.208	1.855	4.96	45.1	89.8
[3 0 2]	(0 2 0)	(2 0 -3)	9.208	1.737	5.30	90.0	84.7
[2 0 -1]	(0 2 0)	(1 7 2)	9.208	1.734	5.31	48.8	118.3
[2 0 3]	(0 2 0)	(3 7 -2)	9.208	1.732	5.32	48.8	61.5
[3 0 1]	(0 2 0)	(1 1 -3)	9.208	1.730	5.32	84.6	95.0
[3 0 2]	(0 2 0)	(2 -2 -3)	9.208	1.707	5.39	79.3	84.7
[1 0 2]	(0 2 0)	(4 6 -2)	9.208	1.694	5.44	56.5	50.9
[1 0 1]	(0 2 0)	(3 -1 -3)	9.208	1.676	5.49	84.8	74.7
[3 0 1]	(0 2 0)	(1 -3 -3)	9.208	1.672	5.51	74.2	95.0
[1 0 0]	(0 2 0)	(0 2 3)	9.208	1.658	5.55	79.6	105.0
[3 0 2]	(0 2 0)	(2 -4 -3)	9.208	1.625	5.66	69.3	84.7
[3 0 4]	(0 2 0)	(4 0 -3)	9.208	1.589	5.79	90.0	65.6
[3 0 -1]	(0 2 0)	(1 -1 3)	9.208	1.587	5.80	85.1	114.1
[1 0 0]	(0 2 0)	(0 4 3)	9.208	1.583	5.82	69.9	105.0
[3 0 1]	(0 2 0)	(1 -5 -3)	9.208	1.572	5.86	64.7	95.0
[3 0 4]	(0 2 0)	(4 2 -3)	9.208	1.566	5.88	80.2	65.6
[3 0 -1]	(0 2 0)	(1 -3 3)	9.208	1.541	5.97	75.5	114.1
[1 0 1]	(0 2 0)	(3 5 -3)	9.208	1.531	6.01	65.4	74.7
[1 0 -1]	(0 2 0)	(2 8 2)	9.208	1.525	6.04	48.5	128.9
[3 0 2]	(0 2 0)	(2 -6 -3)	9.208	1.512	6.09	60.5	84.7

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[3 0 4]	(0 2 0)	(4 4 -3)	9.208	1.502	6.13	71.0	65.6
[3 0 -2]	(0 2 0)	(2 0 3)	9.208	1.478	6.23	90.0	122.1
[1 0 0]	(0 2 0)	(0 6 3)	9.208	1.477	6.23	61.2	105.0
[3 0 5]	(0 2 0)	(5 1 -3)	9.208	1.470	6.27	85.4	57.7
[3 0 -1]	(0 2 0)	(1 -5 3)	9.208	1.462	6.30	66.6	114.1
[3 0 -2]	(0 2 0)	(2 -2 3)	9.208	1.459	6.31	80.9	122.1
[3 0 1]	(0 2 0)	(1 -7 -3)	9.208	1.450	6.35	56.5	95.0
[3 0 5]	(0 2 0)	(5 3 -3)	9.208	1.433	6.42	76.5	57.7
[1 0 1]	(0 2 0)	(3 -7 -3)	9.208	1.418	6.49	57.4	74.7
[3 0 4]	(0 2 0)	(4 -6 -3)	9.208	1.411	6.52	62.6	65.6
[3 0 -2]	(0 2 0)	(2 -4 3)	9.208	1.407	6.54	72.2	122.1
[3 0 2]	(0 2 0)	(2 8 -3)	9.208	1.387	6.64	53.0	84.7
[3 0 5]	(0 2 0)	(5 5 -3)	9.208	1.369	6.73	68.2	57.7
[3 0 -1]	(0 2 0)	(1 -7 3)	9.208	1.362	6.76	58.8	114.1
[1 0 0]	(0 2 0)	(0 8 -3)	9.208	1.360	6.77	53.8	105.0
[1 0 2]	(0 2 0)	(6 0 -3)	9.208	1.354	6.80	90.0	50.9
[1 0 -1]	(0 2 0)	(3 -1 3)	9.208	1.354	6.80	85.8	128.9
[1 0 2]	(0 2 0)	(6 2 -3)	9.208	1.339	6.87	81.6	50.9
[3 0 -2]	(0 2 0)	(2 6 3)	9.208	1.331	6.92	64.3	122.1
[3 0 1]	(0 2 0)	(1 -9 -3)	9.208	1.325	6.95	49.7	95.0
[3 0 4]	(0 2 0)	(4 8 -3)	9.208	1.308	7.04	55.4	65.6
[1 0 1]	(0 2 0)	(3 9 -3)	9.208	1.300	7.08	50.6	74.7
[1 0 2]	(0 2 0)	(6 4 -3)	9.208	1.299	7.09	73.6	50.9
[3 0 5]	(0 2 0)	(5 7 -3)	9.208	1.286	7.16	60.7	57.7
[1 0 -1]	(0 2 0)	(3 5 3)	9.208	1.274	7.23	69.8	128.9
[3 0 2]	(0 2 0)	(2 10 -3)	9.208	1.264	7.29	46.7	84.7
[3 0 -1]	(0 2 0)	(1 9 3)	9.208	1.257	7.33	52.1	114.1
[1 -1 0]	(1 1 0)	(0 0 1)	8.575	5.056	1.70	76.8	97.1
[1 1 0]	(1 -1 0)	(1 -1 -1)	8.575	4.870	1.76	69.7	97.1
[1 1 2]	(1 -1 0)	(1 1 -1)	8.575	4.870	1.76	84.2	69.3
[1 1 2]	(1 -1 0)	(0 2 -1)	8.575	4.432	1.93	64.9	69.3
[1 1 -2]	(1 -1 0)	(0 2 1)	8.575	4.432	1.93	88.6	122.1
[1 -1 2]	(1 1 0)	(2 0 -1)	8.575	4.061	2.11	56.1	69.3
[1 1 0]	(1 -1 0)	(1 -1 1)	8.575	3.976	2.16	50.0	97.1
[1 -1 -2]	(1 1 0)	(1 -1 1)	8.575	3.976	2.16	63.7	122.1
[1 -1 4]	(1 1 0)	(1 -3 -1)	8.575	3.900	2.20	83.3	48.6
[1 1 -2]	(1 -1 0)	(1 -3 -1)	8.575	3.900	2.20	61.6	122.1
[1 -1 0]	(1 1 0)	(2 2 -1)	8.575	3.716	2.31	45.7	97.1
[1 1 4]	(1 -1 0)	(2 2 -1)	8.575	3.716	2.31	71.2	48.6
[1 -1 4]	(1 1 0)	(0 4 1)	8.575	3.404	2.52	60.1	48.6
[1 -1 4]	(1 1 0)	(3 -1 -1)	8.575	3.067	2.80	51.4	48.6
[1 -1 0]	(1 1 0)	(1 1 -2)	8.575	2.591	3.31	86.1	97.1
[1 -1 1]	(1 1 0)	(1 -1 -2)	8.575	2.591	3.31	86.4	82.8
[1 1 1]	(1 -1 0)	(2 0 -2)	8.575	2.525	3.40	76.5	82.8

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2*n* diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[1 -1 -1]	(1 1 0)	(0 2 -2)	8.575	2.438	3.52	84.4	110.6
[1 1 1]	(1 -1 0)	(0 2 -2)	8.575	2.438	3.52	69.9	82.8
[1 -1 -1]	(1 1 0)	(1 3 -2)	8.575	2.407	3.56	79.3	110.6
[1 1 2]	(1 -1 0)	(1 3 -2)	8.575	2.407	3.56	79.6	69.3
[1 1 0]	(1 -1 0)	(1 -1 2)	8.575	2.287	3.75	61.7	97.1
[1 1 -1]	(1 -1 0)	(1 1 2)	8.575	2.287	3.75	69.0	110.6
[1 -1 1]	(1 1 0)	(3 1 -2)	8.575	2.282	3.76	61.5	82.8
[1 1 2]	(1 -1 0)	(3 1 -2)	8.575	2.282	3.76	68.8	69.3
[1 1 3]	(1 -1 0)	(2 4 -2)	8.575	2.214	3.87	88.9	57.8
[1 -1 -1]	(1 1 0)	(2 4 -2)	8.575	2.214	3.87	64.7	110.6
[1 1 1]	(1 -1 0)	(1 -3 2)	8.575	2.158	3.97	56.2	82.8
[1 -1 -2]	(1 1 0)	(1 -3 2)	8.575	2.158	3.97	76.8	122.1
[1 1 0]	(1 -1 0)	(3 -3 -2)	8.575	2.154	3.98	56.0	97.1
[1 1 3]	(1 -1 0)	(3 3 -2)	8.575	2.154	3.98	76.6	57.8
[1 1 3]	(1 -1 0)	(1 5 -2)	8.575	2.133	4.02	74.5	57.8
[1 -1 -2]	(1 1 0)	(1 5 -2)	8.575	2.133	4.02	74.2	122.1
[1 1 -1]	(1 -1 0)	(2 0 2)	8.575	2.036	4.21	56.2	110.6
[1 -1 1]	(1 1 0)	(4 2 -2)	8.575	1.983	4.32	49.8	82.8
[1 1 3]	(1 -1 0)	(4 2 -2)	8.575	1.983	4.32	63.6	57.8
[1 -1 2]	(1 1 0)	(1 5 2)	8.575	1.954	4.39	53.0	69.3
[1 1 -3]	(1 -1 0)	(1 5 2)	8.575	1.954	4.39	83.8	131.3
[1 -1 3]	(1 1 0)	(0 6 2)	8.575	1.951	4.39	61.8	57.8
[1 1 -3]	(1 -1 0)	(0 6 2)	8.575	1.951	4.39	83.1	131.3
[1 -1 -1]	(1 1 0)	(3 5 -2)	8.575	1.951	4.40	52.8	110.6
[1 1 4]	(1 -1 0)	(3 5 -2)	8.575	1.951	4.40	83.6	48.6
[1 -1 -3]	(1 1 0)	(2 -4 2)	8.575	1.862	4.61	71.3	131.3
[1 -1 1]	(1 1 0)	(2 4 2)	8.575	1.862	4.61	45.8	82.8
[1 -1 4]	(1 1 0)	(1 -7 -2)	8.575	1.855	4.62	70.9	48.6
[1 1 -3]	(1 -1 0)	(1 -7 -2)	8.575	1.855	4.62	70.7	131.3
[1 1 -2]	(1 -1 0)	(3 1 2)	8.575	1.772	4.84	53.1	122.1
[1 -1 -1]	(1 1 0)	(3 1 2)	8.575	1.772	4.84	46.3	110.6
[1 1 3]	(1 -1 0)	(5 1 -2)	8.575	1.767	4.85	53.0	57.8
[1 1 2]	(1 -1 0)	(5 -1 -2)	8.575	1.767	4.85	46.2	69.3
[3 3 2]	(1 -1 0)	(2 0 -3)	8.575	1.737	4.94	85.3	87.5
[1 -1 3]	(1 1 0)	(1 7 2)	8.575	1.734	4.95	51.5	57.8
[1 -1 -2]	(1 1 0)	(3 7 -2)	8.575	1.732	4.95	51.4	122.1
[3 3 2]	(1 -1 0)	(1 1 -3)	8.575	1.730	4.96	83.1	87.5
[1 -1 0]	(1 1 0)	(1 1 -3)	8.575	1.730	4.96	88.1	97.1
[1 -1 -3]	(1 1 0)	(3 -3 2)	8.575	1.710	5.02	60.4	131.3
[1 -1 0]	(1 1 0)	(2 2 -3)	8.575	1.707	5.02	80.4	97.1
[3 -3 4]	(1 1 0)	(2 -2 -3)	8.575	1.707	5.02	89.7	78.1
[1 -1 4]	(1 1 0)	(5 -3 -2)	8.575	1.705	5.03	60.3	48.6
[1 -1 -3]	(1 1 0)	(2 8 -2)	8.575	1.701	5.04	59.9	131.3
[3 -3 2]	(1 1 0)	(3 1 -3)	8.575	1.676	5.12	74.1	87.5
[3 -3 4]	(1 1 0)	(3 -1 -3)	8.575	1.676	5.12	79.1	78.1

(a 10.03Å b 18.415Å c 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[3 -3 4]	(1 1 0)	(1 -3 -3)	8.575	1.672	5.13	78.4	78.1
[3 -3 -2]	(1 1 0)	(1 3 -3)	8.575	1.672	5.13	87.0	106.3
[3 -3 -2]	(1 1 0)	(0 2 -3)	8.575	1.658	5.17	81.9	106.3
[3 -3 2]	(1 1 0)	(0 2 3)	8.575	1.658	5.17	72.0	87.5
[3 -3 -2]	(1 1 0)	(2 4 -3)	8.575	1.625	5.28	76.1	106.3
[1 -1 2]	(1 1 0)	(2 -4 -3)	8.575	1.625	5.28	85.0	69.3
[3 -3 4]	(1 1 0)	(4 0 -3)	8.575	1.589	5.40	68.6	78.1
[1 -1 0]	(1 1 0)	(1 1 3)	8.575	1.587	5.40	66.4	97.1
[3 -3 -2]	(1 1 0)	(1 -1 3)	8.575	1.587	5.40	71.3	106.3
[3 -3 -4]	(1 1 0)	(0 4 -3)	8.575	1.583	5.42	86.9	114.7
[3 -3 4]	(1 1 0)	(0 4 3)	8.575	1.583	5.42	68.0	78.1
[1 -1 2]	(1 1 0)	(1 -5 -3)	8.575	1.572	5.46	74.4	69.3
[3 3 -4]	(1 -1 0)	(1 -5 -3)	8.575	1.572	5.46	82.6	114.7
[1 1 2]	(1 -1 0)	(4 2 -3)	8.575	1.566	5.48	73.7	69.3
[3 -3 2]	(1 1 0)	(4 2 -3)	8.575	1.566	5.48	64.0	87.5
[3 3 -4]	(1 -1 0)	(1 3 3)	8.575	1.541	5.56	76.5	114.7
[3 3 2]	(1 -1 0)	(1 -3 3)	8.575	1.541	5.56	62.2	87.5
[1 1 -3]	(1 -1 0)	(4 2 2)	8.575	1.538	5.58	51.5	131.3
[3 3 -2]	(1 -1 0)	(3 -5 -3)	8.575	1.531	5.60	66.1	106.3
[3 3 8]	(1 -1 0)	(3 5 -3)	8.575	1.531	5.60	89.0	61.4
[1 -1 4]	(1 1 0)	(1 9 2)	8.575	1.530	5.60	51.2	48.6
[1 1 -3]	(1 -1 0)	(3 -9 -2)	8.575	1.529	5.61	51.1	131.3
[3 3 8]	(1 -1 0)	(2 6 -3)	8.575	1.512	5.67	80.9	61.4
[3 3 -4]	(1 -1 0)	(2 -6 -3)	8.575	1.512	5.67	72.5	114.7
[1 1 0]	(1 -1 0)	(4 -4 -3)	8.575	1.502	5.71	60.2	97.1
[3 3 8]	(1 -1 0)	(4 4 -3)	8.575	1.502	5.71	78.9	61.4
[3 3 -2]	(1 -1 0)	(2 0 3)	8.575	1.478	5.80	61.9	106.3
[1 1 2]	(1 -1 0)	(0 6 -3)	8.575	1.477	5.80	64.9	69.3
[1 1 -2]	(1 -1 0)	(0 6 3)	8.575	1.477	5.80	88.6	122.1
[3 3 4]	(1 -1 0)	(5 -1 -3)	8.575	1.470	5.84	59.4	78.1
[1 1 2]	(1 -1 0)	(5 1 -3)	8.575	1.470	5.84	64.2	69.3
[1 1 -2]	(1 -1 0)	(1 5 3)	8.575	1.462	5.87	81.6	122.1
[3 3 4]	(1 -1 0)	(1 -5 3)	8.575	1.462	5.87	58.9	78.1
[3 3 -4]	(1 -1 0)	(2 2 3)	8.575	1.459	5.88	67.0	114.7
[1 1 0]	(1 -1 0)	(2 -2 3)	8.575	1.459	5.88	57.4	97.1
[3 3 8]	(1 -1 0)	(1 7 -3)	8.575	1.450	5.91	71.3	61.4
[1 1 -2]	(1 -1 0)	(1 -7 -3)	8.575	1.450	5.91	78.9	122.1
[3 3 2]	(1 -1 0)	(5 -3 -3)	8.575	1.433	5.98	55.3	87.5
[3 3 8]	(1 -1 0)	(5 3 -3)	8.575	1.433	5.98	69.4	61.4
[3 3 -4]	(1 -1 0)	(3 -7 -3)	8.575	1.418	6.05	63.4	114.7
[3 -3 10]	(1 1 0)	(3 -7 -3)	8.575	1.418	6.05	86.9	54.5
[3 3 10]	(1 -1 0)	(4 6 -3)	8.575	1.411	6.08	83.7	54.5
[3 3 -2]	(1 -1 0)	(4 -6 -3)	8.575	1.411	6.08	57.4	106.3
[1 1 -2]	(1 -1 0)	(2 4 3)	8.575	1.407	6.09	72.2	122.1
[3 3 2]	(1 -1 0)	(2 -4 3)	8.575	1.407	6.09	53.8	87.5

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2*n* diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[3 -3 10]	(1 1 0)	(2 -8 -3)	8.575	1.387	6.18	77.6	54.5
[1 -1 -2]	(1 1 0)	(2 8 -3)	8.575	1.387	6.18	69.8	122.1
[3 -3 10]	(1 1 0)	(5 -5 -3)	8.575	1.369	6.27	74.6	54.5
[1 -1 0]	(1 1 0)	(5 5 -3)	8.575	1.369	6.27	52.2	97.1
[1 -1 2]	(1 1 0)	(1 7 3)	8.575	1.362	6.29	56.6	69.3
[3 -3 -8]	(1 1 0)	(1 -7 3)	8.575	1.362	6.29	86.1	128.5
[3 -3 8]	(1 1 0)	(0 8 3)	8.575	1.360	6.31	62.6	61.4
[3 -3 -8]	(1 1 0)	(0 8 -3)	8.575	1.360	6.31	84.8	128.5
[1 -1 2]	(1 1 0)	(6 0 -3)	8.575	1.354	6.33	56.1	69.3
[3 -3 -2]	(1 1 0)	(3 1 3)	8.575	1.354	6.33	53.9	106.3
[3 -3 -4]	(1 1 0)	(3 -1 3)	8.575	1.354	6.33	58.6	114.7
[3 -3 8]	(1 1 0)	(6 -2 -3)	8.575	1.339	6.40	61.0	61.4
[3 -3 4]	(1 1 0)	(6 2 -3)	8.575	1.339	6.40	51.7	78.1
[3 -3 4]	(1 1 0)	(2 6 3)	8.575	1.331	6.44	51.3	78.1
[3 3 -8]	(1 -1 0)	(2 6 3)	8.575	1.331	6.44	77.2	128.5
[3 -3 10]	(1 1 0)	(1 -9 -3)	8.575	1.325	6.47	68.9	54.5
[3 3 -8]	(1 -1 0)	(1 -9 -3)	8.575	1.325	6.47	75.9	128.5
[1 -1 4]	(1 1 0)	(4 -8 -3)	8.575	1.308	6.56	87.9	48.6
[3 -3 -4]	(1 1 0)	(4 8 -3)	8.575	1.308	6.56	55.6	114.7
[1 -1 4]	(1 1 0)	(3 -9 -3)	8.575	1.300	6.60	83.3	48.6
[1 -1 -2]	(1 1 0)	(3 9 -3)	8.575	1.300	6.60	61.6	122.1
[3 -3 10]	(1 1 0)	(6 -4 -3)	8.575	1.299	6.60	66.2	54.5
[3 -3 2]	(1 1 0)	(6 4 -3)	8.575	1.299	6.60	48.2	87.5
[3 -3 -2]	(1 1 0)	(5 7 -3)	8.575	1.286	6.67	50.2	106.3
[1 1 4]	(1 -1 0)	(5 7 -3)	8.575	1.286	6.67	79.3	48.6
[3 -3 -8]	(1 1 0)	(3 -5 3)	8.575	1.274	6.73	68.9	128.5
[3 -3 2]	(1 1 0)	(3 5 3)	8.575	1.274	6.73	46.9	87.5
[1 -1 4]	(1 1 0)	(2 -10 -3)	8.575	1.264	6.79	74.9	48.6
[3 -3 -8]	(1 1 0)	(2 10 -3)	8.575	1.264	6.79	67.7	128.5
[3 -3 8]	(1 1 0)	(1 9 3)	8.575	1.257	6.82	55.2	61.4
[3 3 -10]	(1 -1 0)	(1 9 3)	8.575	1.257	6.82	90.0	133.9
[3 -1 0]	(1 3 0)	(0 0 1)	5.185	5.056	1.03	82.1	102.7
[3 1 2]	(1 -3 0)	(1 -1 -1)	5.185	4.870	1.06	68.9	85.5
[3 1 4]	(1 -3 0)	(1 1 -1)	5.185	4.870	1.06	85.0	69.1
[3 1 2]	(1 -3 0)	(0 2 -1)	5.185	4.432	1.17	58.1	85.5
[3 1 -2]	(1 -3 0)	(0 2 1)	5.185	4.432	1.17	73.4	117.9
[3 -1 6]	(1 3 0)	(2 0 -1)	5.185	4.061	1.28	70.3	55.5
[3 1 -2]	(1 -3 0)	(1 -1 1)	5.185	3.976	1.30	59.3	117.9
[3 -1 -4]	(1 3 0)	(1 -1 1)	5.185	3.976	1.30	81.6	129.8
[3 -1 6]	(1 3 0)	(1 -3 -1)	5.185	3.900	1.33	64.7	55.5
[3 1 0]	(1 -3 0)	(1 -3 -1)	5.185	3.900	1.33	49.8	102.7
[3 -1 4]	(1 3 0)	(2 2 -1)	5.185	3.716	1.40	49.5	69.1
[3 1 8]	(1 -3 0)	(2 2 -1)	5.185	3.716	1.40	88.2	45.3
[3 1 -4]	(1 -3 0)	(0 4 1)	5.185	3.404	1.52	57.9	129.8

(a 10.03Å b 18.415Å c 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[3 -1 8]	(1 3 0)	(3 1 -1)	5.185	3.067	1.69	55.6	45.3
[3 1 8]	(1 -3 0)	(1 5 -1)	5.185	2.976	1.74	53.2	45.3
[3 -1 -4]	(1 3 0)	(2 2 1)	5.185	2.954	1.76	47.3	129.8
[3 -1 1]	(1 3 0)	(1 1 -2)	5.185	2.591	2.00	83.1	94.2
[3 -1 2]	(1 3 0)	(1 -1 -2)	5.185	2.591	2.00	83.3	85.5
[3 1 3]	(1 -3 0)	(2 0 -2)	5.185	2.525	2.05	81.9	77.0
[3 -1 -1]	(1 3 0)	(0 2 -2)	5.185	2.438	2.13	84.8	110.7
[3 1 1]	(1 -3 0)	(0 2 -2)	5.185	2.438	2.13	69.1	94.2
[3 -1 0]	(1 3 0)	(1 3 -2)	5.185	2.407	2.15	70.6	102.7
[3 1 3]	(1 -3 0)	(1 3 -2)	5.185	2.407	2.15	70.7	77.0
[3 1 -1]	(1 -3 0)	(1 -1 2)	5.185	2.287	2.27	69.1	110.7
[3 1 -2]	(1 -3 0)	(1 1 2)	5.185	2.287	2.27	81.6	117.9
[3 -1 4]	(1 3 0)	(3 1 -2)	5.185	2.282	2.27	69.0	69.1
[3 1 5]	(1 -3 0)	(3 1 -2)	5.185	2.282	2.27	81.5	61.9
[3 1 5]	(1 -3 0)	(2 4 -2)	5.185	2.214	2.34	73.6	61.9
[3 -1 1]	(1 3 0)	(2 4 -2)	5.185	2.214	2.34	58.0	94.2
[3 1 0]	(1 -3 0)	(1 -3 2)	5.185	2.158	2.40	57.7	102.7
[3 -1 -3]	(1 3 0)	(1 -3 2)	5.185	2.158	2.40	86.6	124.3
[3 1 3]	(1 -3 0)	(3 -3 -2)	5.185	2.154	2.41	57.6	77.0
[3 1 6]	(1 -3 0)	(3 3 -2)	5.185	2.154	2.41	86.7	55.5
[3 1 4]	(1 -3 0)	(1 5 -2)	5.185	2.133	2.43	60.8	69.1
[3 -1 -1]	(1 3 0)	(1 5 -2)	5.185	2.133	2.43	60.6	110.7
[3 1 -3]	(1 -3 0)	(2 0 2)	5.185	2.036	2.55	70.4	124.3
[3 -1 5]	(1 3 0)	(4 2 -2)	5.185	1.983	2.61	59.2	61.9
[3 1 7]	(1 -3 0)	(4 2 -2)	5.185	1.983	2.61	81.5	50.0
[3 -1 1]	(1 3 0)	(1 5 2)	5.185	1.954	2.65	48.5	94.2
[3 1 -4]	(1 -3 0)	(1 5 2)	5.185	1.954	2.65	76.5	129.8
[3 -1 3]	(1 3 0)	(0 6 2)	5.185	1.951	2.66	49.9	77.0
[3 1 -3]	(1 -3 0)	(0 6 2)	5.185	1.951	2.66	64.5	124.3
[3 -1 2]	(1 3 0)	(3 5 -2)	5.185	1.951	2.66	48.4	85.5
[3 1 7]	(1 -3 0)	(3 5 -2)	5.185	1.951	2.66	76.7	50.0
[3 -1 -5]	(1 3 0)	(2 -4 2)	5.185	1.862	2.78	88.0	134.6
[3 -1 -1]	(1 3 0)	(2 4 2)	5.185	1.862	2.78	49.5	110.7
[3 -1 5]	(1 3 0)	(1 -7 -2)	5.185	1.855	2.79	53.5	61.9
[3 1 -2]	(1 -3 0)	(1 -7 -2)	5.185	1.855	2.79	53.4	117.9
[3 1 -5]	(1 -3 0)	(3 1 2)	5.185	1.772	2.93	72.0	134.6
[3 -1 -4]	(1 3 0)	(3 1 2)	5.185	1.772	2.93	61.9	129.8
[3 1 8]	(1 -3 0)	(5 1 -2)	5.185	1.767	2.93	71.9	45.3
[3 1 7]	(1 -3 0)	(5 -1 -2)	5.185	1.767	2.93	61.8	50.0
[3 1 2]	(1 -3 0)	(2 0 -3)	5.185	1.737	2.98	87.2	85.5
[3 1 -5]	(1 -3 0)	(1 7 2)	5.185	1.734	2.99	68.5	134.6
[3 1 8]	(1 -3 0)	(3 7 -2)	5.185	1.732	2.99	68.7	45.3
[9 3 4]	(1 -3 0)	(1 1 -3)	5.185	1.730	3.00	82.8	91.3
[9 -3 2]	(1 3 0)	(1 1 -3)	5.185	1.730	3.00	88.1	97.1
[3 -1 -3]	(1 3 0)	(3 3 2)	5.185	1.710	3.03	52.3	124.3

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2*n* diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[9 -3 4]	(1 3 0)	(2 2 -3)	5.185	1.707	3.04	78.2	91.3
[9 -3 8]	(1 3 0)	(2 -2 -3)	5.185	1.707	3.04	83.8	79.8
[3 -1 6]	(1 3 0)	(5 3 -2)	5.185	1.705	3.04	52.2	55.5
[3 -1 7]	(1 3 0)	(2 -8 -2)	5.185	1.701	3.05	58.0	50.0
[9 -3 8]	(1 3 0)	(3 1 -3)	5.185	1.676	3.09	77.5	79.8
[9 -3 10]	(1 3 0)	(3 -1 -3)	5.185	1.676	3.09	86.4	74.3
[3 -1 2]	(1 3 0)	(1 -3 -3)	5.185	1.672	3.10	74.0	85.5
[3 -1 0]	(1 3 0)	(1 3 -3)	5.185	1.672	3.10	79.3	102.7
[9 -3 -2]	(1 3 0)	(0 2 -3)	5.185	1.658	3.13	89.1	108.1
[9 -3 2]	(1 3 0)	(0 2 3)	5.185	1.658	3.13	73.3	97.1
[9 -3 2]	(1 3 0)	(2 4 -3)	5.185	1.625	3.19	69.9	97.1
[9 -3 10]	(1 3 0)	(2 -4 -3)	5.185	1.625	3.19	75.4	74.3
[3 -1 6]	(1 3 0)	(1 -9 -2)	5.185	1.612	3.22	48.3	55.5
[3 1 -3]	(1 -3 0)	(1 -9 -2)	5.185	1.612	3.22	48.2	124.3
[3 -1 4]	(1 3 0)	(4 0 -3)	5.185	1.589	3.26	77.2	69.1
[9 -3 -2]	(1 3 0)	(1 1 3)	5.185	1.587	3.27	73.1	108.1
[9 -3 -4]	(1 3 0)	(1 -1 3)	5.185	1.587	3.27	81.7	113.2
[9 -3 -4]	(1 3 0)	(0 4 -3)	5.185	1.583	3.28	80.8	113.2
[9 -3 4]	(1 3 0)	(0 4 3)	5.185	1.583	3.28	65.2	91.3
[9 -3 8]	(1 3 0)	(1 -5 -3)	5.185	1.572	3.30	66.3	79.8
[9 3 -2]	(1 -3 0)	(1 -5 -3)	5.185	1.572	3.30	71.4	108.1
[9 3 14]	(1 -3 0)	(4 2 -3)	5.185	1.566	3.31	85.8	64.2
[9 -3 10]	(1 3 0)	(4 2 -3)	5.185	1.566	3.31	68.8	74.3
[3 1 -2]	(1 -3 0)	(1 3 3)	5.185	1.541	3.36	90.0	117.9
[3 1 0]	(1 -3 0)	(1 -3 3)	5.185	1.541	3.36	64.9	102.7
[3 1 -5]	(1 -3 0)	(4 -2 2)	5.185	1.538	3.37	55.6	134.6
[9 3 4]	(1 -3 0)	(3 -5 -3)	5.185	1.531	3.39	61.4	91.3
[9 3 14]	(1 -3 0)	(3 5 -3)	5.185	1.531	3.39	77.1	64.2
[3 1 4]	(1 -3 0)	(2 6 -3)	5.185	1.512	3.43	68.1	69.1
[3 1 0]	(1 -3 0)	(2 -6 -3)	5.185	1.512	3.43	62.7	102.7
[9 3 8]	(1 -3 0)	(4 -4 -3)	5.185	1.502	3.45	61.0	79.8
[9 3 16]	(1 -3 0)	(4 4 -3)	5.185	1.502	3.45	86.2	59.7
[3 1 -5]	(1 -3 0)	(0 10 2)	5.185	1.488	3.48	53.0	134.6
[3 1 -2]	(1 -3 0)	(2 0 3)	5.185	1.478	3.51	73.5	117.9
[3 1 2]	(1 -3 0)	(0 6 -3)	5.185	1.477	3.51	58.1	85.5
[3 1 -2]	(1 -3 0)	(0 6 3)	5.185	1.477	3.51	73.4	117.9
[3 1 7]	(1 -3 0)	(6 -4 -2)	5.185	1.474	3.52	47.3	50.0
[9 3 14]	(1 -3 0)	(5 -1 -3)	5.185	1.470	3.53	69.3	64.2
[9 3 16]	(1 -3 0)	(5 1 -3)	5.185	1.470	3.53	77.4	59.7
[9 3 -8]	(1 -3 0)	(1 5 3)	5.185	1.462	3.55	82.3	122.3
[9 3 2]	(1 -3 0)	(1 -5 3)	5.185	1.462	3.55	57.6	97.1
[9 3 -8]	(1 -3 0)	(2 2 3)	5.185	1.459	3.55	81.5	122.3
[9 3 -4]	(1 -3 0)	(2 -2 3)	5.185	1.459	3.55	65.5	113.2
[9 3 10]	(1 -3 0)	(1 7 -3)	5.185	1.450	3.58	59.7	74.3
[9 3 -4]	(1 -3 0)	(1 -7 -3)	5.185	1.450	3.58	64.7	113.2

(a 10.03Å b 18.415Å c 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[3 1 4]	(1 -3 0)	(5 -3 -3)	5.185	1.433	3.62	61.6	69.1
[3 1 6]	(1 -3 0)	(5 3 -3)	5.185	1.433	3.62	85.4	55.5
[9 3 2]	(1 -3 0)	(3 -7 -3)	5.185	1.418	3.66	55.0	97.1
[9 -3 16]	(1 3 0)	(3 -7 -3)	5.185	1.418	3.66	70.3	59.7
[3 1 6]	(1 -3 0)	(4 6 -3)	5.185	1.411	3.67	78.9	55.5
[3 1 2]	(1 -3 0)	(4 -6 -3)	5.185	1.411	3.67	54.2	85.5
[9 3 -10]	(1 -3 0)	(2 4 3)	5.185	1.407	3.69	89.3	126.2
[9 3 -2]	(1 -3 0)	(2 -4 3)	5.185	1.407	3.69	58.1	108.1
[9 -3 14]	(1 3 0)	(2 -8 -3)	5.185	1.387	3.74	62.0	64.2
[9 -3 -2]	(1 3 0)	(2 8 -3)	5.185	1.387	3.74	56.7	108.1
[9 -3 20]	(1 3 0)	(5 -5 -3)	5.185	1.369	3.79	87.2	51.8
[9 -3 10]	(1 3 0)	(5 5 -3)	5.185	1.369	3.79	54.6	74.3
[9 -3 4]	(1 3 0)	(1 7 3)	5.185	1.362	3.81	51.4	91.3
[9 -3 -10]	(1 3 0)	(1 -7 3)	5.185	1.362	3.81	75.5	126.2
[9 -3 8]	(1 3 0)	(0 8 3)	5.185	1.360	3.81	52.4	79.8
[9 -3 -8]	(1 3 0)	(0 8 -3)	5.185	1.360	3.81	67.2	122.3
[3 -1 6]	(1 3 0)	(6 0 -3)	5.185	1.354	3.83	70.3	55.5
[9 -3 -8]	(1 3 0)	(3 1 3)	5.185	1.354	3.83	66.6	122.3
[9 -3 -10]	(1 3 0)	(3 -1 3)	5.185	1.354	3.83	74.1	126.2
[9 -3 20]	(1 3 0)	(6 -2 -3)	5.185	1.339	3.87	77.8	51.8
[9 -3 16]	(1 3 0)	(6 2 -3)	5.185	1.339	3.87	62.8	59.7
[3 -1 0]	(1 3 0)	(2 6 3)	5.185	1.331	3.89	51.5	102.7
[3 1 -4]	(1 -3 0)	(2 6 3)	5.185	1.331	3.89	83.7	129.8
[3 -1 4]	(1 3 0)	(1 -9 -3)	5.185	1.325	3.91	54.4	69.1
[3 1 -2]	(1 -3 0)	(1 -9 -3)	5.185	1.325	3.91	59.2	117.9
[9 -3 20]	(1 3 0)	(4 -8 -3)	5.185	1.308	3.96	72.6	51.8
[9 -3 4]	(1 3 0)	(4 8 -3)	5.185	1.308	3.96	48.6	91.3
[3 -1 6]	(1 3 0)	(3 -9 -3)	5.185	1.300	3.99	64.7	55.5
[3 -1 0]	(1 3 0)	(3 9 -3)	5.185	1.300	3.99	49.8	102.7
[9 -3 22]	(1 3 0)	(6 -4 -3)	5.185	1.299	3.99	85.1	48.3
[9 -3 14]	(1 3 0)	(6 4 -3)	5.185	1.299	3.99	55.8	64.2
[9 -3 8]	(1 3 0)	(5 7 -3)	5.185	1.286	4.03	48.5	79.8
[9 3 22]	(1 -3 0)	(5 7 -3)	5.185	1.286	4.03	80.6	48.3
[9 -3 -14]	(1 3 0)	(3 -5 3)	5.185	1.274	4.07	88.7	133.1
[9 -3 -4]	(1 3 0)	(3 5 3)	5.185	1.274	4.07	52.6	113.2
[9 -3 16]	(1 3 0)	(2 -10 -3)	5.185	1.264	4.10	57.1	59.7
[9 -3 -4]	(1 3 0)	(2 10 -3)	5.185	1.264	4.10	52.0	113.2
[3 -1 2]	(1 3 0)	(1 9 3)	5.185	1.257	4.13	46.3	85.5
[3 1 -4]	(1 -3 0)	(1 9 3)	5.185	1.257	4.13	69.7	129.8
[0 -1 0]	(2 0 0)	(0 0 1)	4.845	5.056	0.96	75.0	90.0
[0 1 1]	(2 0 0)	(1 1 -1)	4.845	4.870	0.99	75.3	74.1
[0 1 2]	(2 0 0)	(0 2 -1)	4.845	4.432	1.09	76.9	60.4
[0 1 0]	(2 0 0)	(2 0 -1)	4.845	4.061	1.19	50.9	90.0
[0 -1 -1]	(2 0 0)	(1 -1 1)	4.845	3.976	1.22	52.2	105.9

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2*n* diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[0 1 -3]	(2 0 0)	(1 -3 -1)	4.845	3.900	1.24	78.3	130.5
[0 1 2]	(2 0 0)	(2 2 -1)	4.845	3.716	1.30	54.7	60.4
[0 -1 3]	(2 0 0)	(1 3 1)	4.845	3.393	1.43	58.4	49.5
[0 2 1]	(2 0 0)	(1 1 -2)	4.845	2.591	1.87	89.8	81.9
[0 1 0]	(2 0 0)	(2 0 -2)	4.845	2.525	1.92	74.7	90.0
[0 1 1]	(2 0 0)	(0 2 -2)	4.845	2.438	1.99	75.6	74.1
[0 2 -3]	(2 0 0)	(1 -3 -2)	4.845	2.407	2.01	89.9	113.1
[0 -2 1]	(2 0 0)	(1 1 2)	4.845	2.287	2.12	62.0	81.9
[0 2 1]	(2 0 0)	(3 1 -2)	4.845	2.282	2.12	61.7	81.9
[0 1 -2]	(2 0 0)	(2 -4 -2)	4.845	2.214	2.19	76.7	119.6
[0 -2 3]	(2 0 0)	(1 3 2)	4.845	2.158	2.25	63.7	66.9
[0 2 3]	(2 0 0)	(3 3 -2)	4.845	2.154	2.25	63.5	66.9
[0 2 5]	(2 0 0)	(1 5 -2)	4.845	2.133	2.27	89.9	54.6
[0 -1 0]	(2 0 0)	(2 0 2)	4.845	2.036	2.38	51.1	90.0
[0 1 1]	(2 0 0)	(4 2 -2)	4.845	1.983	2.44	52.0	74.1
[0 -2 5]	(2 0 0)	(1 5 2)	4.845	1.954	2.48	66.3	54.6
[0 1 3]	(2 0 0)	(0 6 -2)	4.845	1.951	2.48	78.5	49.5
[0 2 5]	(2 0 0)	(3 5 -2)	4.845	1.951	2.48	66.1	54.6
[0 -1 2]	(2 0 0)	(2 4 2)	4.845	1.862	2.60	54.9	60.4
[0 2 -7]	(2 0 0)	(1 -7 -2)	4.845	1.855	2.61	89.9	134.9
[0 2 0]	(2 0 0)	(2 0 -3)	4.845	1.737	2.79	84.7	90.0
[0 -2 7]	(2 0 0)	(1 7 2)	4.845	1.734	2.79	69.1	45.1
[0 2 7]	(2 0 0)	(3 7 -2)	4.845	1.732	2.80	69.0	45.1
[0 3 1]	(2 0 0)	(1 1 -3)	4.845	1.730	2.80	85.0	84.6
[0 -2 -3]	(2 0 0)	(3 -3 2)	4.845	1.710	2.83	45.3	113.1
[0 3 -2]	(2 0 0)	(2 -2 -3)	4.845	1.707	2.84	84.8	100.7
[0 2 3]	(2 0 0)	(5 3 -2)	4.845	1.705	2.84	45.1	66.9
[0 1 3]	(2 0 0)	(4 6 -2)	4.845	1.694	2.86	58.3	49.5
[0 3 -1]	(2 0 0)	(3 -1 -3)	4.845	1.676	2.89	74.8	95.4
[0 1 -1]	(2 0 0)	(1 -3 -3)	4.845	1.672	2.90	85.2	105.9
[0 -3 2]	(2 0 0)	(0 2 3)	4.845	1.658	2.92	75.3	79.3
[0 3 -4]	(2 0 0)	(2 -4 -3)	4.845	1.625	2.98	85.0	110.8
[0 -2 5]	(2 0 0)	(3 5 2)	4.845	1.603	3.02	48.7	54.6
[0 2 5]	(2 0 0)	(5 5 -2)	4.845	1.599	3.03	48.6	54.6
[0 2 0]	(2 0 0)	(4 0 -3)	4.845	1.589	3.05	65.6	90.0
[0 -3 -1]	(2 0 0)	(1 -1 3)	4.845	1.587	3.05	66.0	95.4
[0 -3 4]	(2 0 0)	(0 4 3)	4.845	1.583	3.06	76.0	69.2
[0 3 -5]	(2 0 0)	(1 -5 -3)	4.845	1.572	3.08	85.5	115.3
[0 3 2]	(2 0 0)	(4 2 -3)	4.845	1.566	3.09	66.0	79.3
[0 -1 -1]	(2 0 0)	(1 -3 3)	4.845	1.541	3.14	66.7	105.9
[0 3 5]	(2 0 0)	(3 5 -3)	4.845	1.531	3.16	76.2	64.7
[0 1 -2]	(2 0 0)	(2 -6 -3)	4.845	1.512	3.20	85.4	119.6
[0 3 4]	(2 0 0)	(4 4 -3)	4.845	1.502	3.22	67.0	69.2
[0 2 0]	(2 0 0)	(2 0 3)	4.845	1.478	3.28	57.9	90.0
[0 -1 2]	(2 0 0)	(0 6 3)	4.845	1.477	3.28	76.9	60.4

(a 10.03Å b 18.415Å c 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[0 -2 7]	(2 0 0)	(3 7 2)	4.845	1.474	3.29	52.6	45.1
[0 2 -7]	(2 0 0)	(5 -7 -2)	4.845	1.472	3.29	52.5	134.9
[0 3 1]	(2 0 0)	(5 1 -3)	4.845	1.470	3.30	57.8	84.6
[0 -3 -5]	(2 0 0)	(1 -5 3)	4.845	1.462	3.31	68.0	115.3
[0 -3 -2]	(2 0 0)	(2 -2 3)	4.845	1.459	3.32	58.3	100.7
[0 3 -7]	(2 0 0)	(1 -7 -3)	4.845	1.450	3.34	85.8	123.6
[0 1 1]	(2 0 0)	(5 3 -3)	4.845	1.433	3.38	58.7	74.1
[0 3 -7]	(2 0 0)	(3 -7 -3)	4.845	1.418	3.42	77.2	123.6
[0 1 -2]	(2 0 0)	(4 -6 -3)	4.845	1.411	3.43	68.5	119.6
[0 -3 -4]	(2 0 0)	(2 -4 3)	4.845	1.407	3.44	59.6	110.8
[0 3 8]	(2 0 0)	(2 8 -3)	4.845	1.387	3.49	85.8	52.8
[0 3 5]	(2 0 0)	(5 5 -3)	4.845	1.369	3.54	60.2	64.7
[0 -3 -7]	(2 0 0)	(1 -7 3)	4.845	1.362	3.56	69.5	123.6
[0 3 8]	(2 0 0)	(0 8 -3)	4.845	1.360	3.56	78.0	52.8
[0 2 0]	(2 0 0)	(6 0 -3)	4.845	1.354	3.58	50.9	90.0
[0 -3 -1]	(2 0 0)	(3 -1 3)	4.845	1.354	3.58	51.2	95.4
[0 3 2]	(2 0 0)	(6 2 -3)	4.845	1.339	3.62	51.4	79.3
[0 -1 2]	(2 0 0)	(2 6 3)	4.845	1.331	3.64	61.4	60.4
[0 1 -3]	(2 0 0)	(1 -9 -3)	4.845	1.325	3.66	86.2	130.5
[0 3 8]	(2 0 0)	(4 8 -3)	4.845	1.308	3.70	70.2	52.8
[0 1 3]	(2 0 0)	(3 9 -3)	4.845	1.300	3.73	78.3	49.5
[0 3 4]	(2 0 0)	(6 4 -3)	4.845	1.299	3.73	52.8	69.2
[0 3 7]	(2 0 0)	(5 7 -3)	4.845	1.286	3.77	62.2	56.4
[0 -3 5]	(2 0 0)	(3 5 3)	4.845	1.274	3.80	53.9	64.7
[0 3 10]	(2 0 0)	(2 10 -3)	4.845	1.264	3.83	86.1	46.5
[0 -1 3]	(2 0 0)	(1 9 3)	4.845	1.257	3.86	71.2	49.5
[5 1 0]	(1 -5 0)	(0 0 1)	3.443	5.056	0.68	84.7	104.0
[5 -1 6]	(1 5 0)	(1 -1 -1)	3.443	4.870	0.71	81.0	70.4
[5 -1 4]	(1 5 0)	(1 1 -1)	3.443	4.870	0.71	70.3	81.2
[5 -1 -2]	(1 5 0)	(0 2 -1)	3.443	4.432	0.78	68.3	114.3
[5 -1 2]	(1 5 0)	(0 2 1)	3.443	4.432	0.78	58.0	92.7
[5 1 10]	(1 -5 0)	(2 0 -1)	3.443	4.061	0.85	77.0	52.8
[5 -1 -6]	(1 5 0)	(1 -1 1)	3.443	3.976	0.87	89.1	130.6
[5 1 -4]	(1 -5 0)	(1 -1 1)	3.443	3.976	0.87	65.2	123.2
[5 1 2]	(1 -5 0)	(1 -3 -1)	3.443	3.900	0.88	48.2	92.7
[5 -1 8]	(1 5 0)	(1 -3 -1)	3.443	3.900	0.88	58.6	60.8
[5 1 12]	(1 -5 0)	(2 2 -1)	3.443	3.716	0.93	80.1	46.1
[5 -1 8]	(1 5 0)	(2 2 -1)	3.443	3.716	0.93	54.4	60.8
[5 1 -4]	(1 -5 0)	(0 4 1)	3.443	3.404	1.01	51.0	123.2
[5 -1 -2]	(1 5 0)	(1 3 1)	3.443	3.393	1.01	45.4	114.3
[5 1 10]	(1 -5 0)	(1 5 -1)	3.443	2.976	1.16	45.6	52.8
[5 1 12]	(1 -5 0)	(3 -3 -1)	3.443	2.775	1.24	47.4	46.1
[5 1 3]	(1 -5 0)	(1 1 -2)	3.443	2.591	1.33	82.5	87.0
[5 1 2]	(1 -5 0)	(1 -1 -2)	3.443	2.591	1.33	82.4	92.7

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2*n* diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[5 -1 5]	(1 5 0)	(2 0 -2)	3.443	2.525	1.36	84.6	75.7
[5 1 1]	(1 -5 0)	(0 2 -2)	3.443	2.438	1.41	70.4	98.5
[5 -1 -1]	(1 5 0)	(0 2 -2)	3.443	2.438	1.41	80.9	109.3
[5 1 4]	(1 -5 0)	(1 3 -2)	3.443	2.407	1.43	68.5	81.2
[5 -1 1]	(1 5 0)	(1 3 -2)	3.443	2.407	1.43	68.4	98.5
[5 -1 -3]	(1 5 0)	(1 -1 2)	3.443	2.287	1.51	87.1	118.9
[5 -1 -2]	(1 5 0)	(1 1 2)	3.443	2.287	1.51	73.6	114.3
[5 1 8]	(1 -5 0)	(3 1 -2)	3.443	2.282	1.51	87.0	60.8
[5 -1 7]	(1 5 0)	(3 1 -2)	3.443	2.282	1.51	73.5	65.4
[5 -1 3]	(1 5 0)	(2 4 -2)	3.443	2.214	1.56	57.9	87.0
[5 1 7]	(1 -5 0)	(2 4 -2)	3.443	2.214	1.56	68.4	65.4
[5 -1 -4]	(1 5 0)	(1 -3 2)	3.443	2.158	1.60	80.1	123.2
[5 1 -1]	(1 -5 0)	(1 -3 2)	3.443	2.158	1.60	60.9	109.3
[5 -1 9]	(1 5 0)	(3 -3 -2)	3.443	2.154	1.60	80.3	56.6
[5 -1 6]	(1 5 0)	(3 3 -2)	3.443	2.154	1.60	60.9	70.4
[5 -1 0]	(1 5 0)	(1 5 -2)	3.443	2.133	1.61	57.2	104.0
[5 1 5]	(1 -5 0)	(1 5 -2)	3.443	2.133	1.61	57.3	75.7
[5 -1 -5]	(1 5 0)	(2 0 2)	3.443	2.036	1.69	77.1	127.0
[5 1 11]	(1 -5 0)	(4 2 -2)	3.443	1.983	1.74	89.0	49.3
[5 -1 9]	(1 5 0)	(4 2 -2)	3.443	1.983	1.74	65.2	56.6
[5 1 -5]	(1 -5 0)	(1 5 2)	3.443	1.954	1.76	69.3	127.0
[5 -1 0]	(1 5 0)	(1 5 2)	3.443	1.954	1.76	50.3	104.0
[5 1 -3]	(1 -5 0)	(0 6 2)	3.443	1.951	1.76	58.4	118.9
[5 -1 3]	(1 5 0)	(0 6 2)	3.443	1.951	1.76	48.3	87.0
[5 1 10]	(1 -5 0)	(3 5 -2)	3.443	1.951	1.76	69.4	52.8
[5 -1 5]	(1 5 0)	(3 5 -2)	3.443	1.951	1.76	50.3	75.7
[5 1 -3]	(1 -5 0)	(2 -4 2)	3.443	1.862	1.85	54.4	118.9
[5 1 -7]	(1 -5 0)	(2 4 2)	3.443	1.862	1.85	80.0	133.7
[5 1 -1]	(1 -5 0)	(1 -7 -2)	3.443	1.855	1.86	48.7	109.3
[5 -1 6]	(1 5 0)	(1 -7 -2)	3.443	1.855	1.86	48.8	70.4
[5 -1 -7]	(1 5 0)	(3 1 2)	3.443	1.772	1.94	69.6	133.7
[5 -1 12]	(1 5 0)	(5 1 -2)	3.443	1.767	1.95	69.5	46.1
[15 -3 10]	(1 5 0)	(2 0 -3)	3.443	1.737	1.98	88.1	85.0
[5 1 -6]	(1 -5 0)	(1 7 2)	3.443	1.734	1.99	60.7	130.6
[5 1 11]	(1 -5 0)	(3 7 -2)	3.443	1.732	1.99	60.8	49.3
[15 -3 4]	(1 5 0)	(1 1 -3)	3.443	1.730	1.99	86.7	96.6
[5 1 2]	(1 -5 0)	(1 1 -3)	3.443	1.730	1.99	83.2	92.7
[5 1 -6]	(1 -5 0)	(3 -3 2)	3.443	1.710	2.01	59.3	130.6
[5 1 4]	(1 -5 0)	(2 2 -3)	3.443	1.707	2.02	81.9	81.2
[15 3 8]	(1 -5 0)	(2 -2 -3)	3.443	1.707	2.02	78.1	88.9
[5 1 11]	(1 -5 0)	(5 -3 -2)	3.443	1.705	2.02	59.3	49.3
[5 1 9]	(1 -5 0)	(2 8 -2)	3.443	1.701	2.02	51.1	56.6
[5 1 7]	(1 -5 0)	(4 -6 -2)	3.443	1.694	2.03	45.4	65.4
[15 3 16]	(1 -5 0)	(3 1 -3)	3.443	1.676	2.05	89.5	73.9
[15 3 14]	(1 -5 0)	(3 -1 -3)	3.443	1.676	2.05	79.7	77.5

(a 10.03Å b 18.415Å c 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[15 3 2]	(1 -5 0)	(1 -3 -3)	3.443	1.672	2.06	77.0	100.3
[15 3 8]	(1 -5 0)	(1 3 -3)	3.443	1.672	2.06	73.5	88.9
[15 3 2]	(1 -5 0)	(0 2 -3)	3.443	1.658	2.08	75.0	100.3
[15 3 -2]	(1 -5 0)	(0 2 3)	3.443	1.658	2.08	85.5	107.6
[15 3 14]	(1 -5 0)	(2 4 -3)	3.443	1.625	2.12	72.6	77.5
[5 1 2]	(1 -5 0)	(2 -4 -3)	3.443	1.625	2.12	68.9	92.7
[5 -1 -5]	(1 5 0)	(3 5 2)	3.443	1.603	2.15	50.1	127.0
[5 1 10]	(1 -5 0)	(5 -5 -2)	3.443	1.599	2.15	50.1	52.8
[15 3 20]	(1 -5 0)	(4 0 -3)	3.443	1.589	2.17	81.6	67.1
[5 1 -2]	(1 -5 0)	(1 1 3)	3.443	1.587	2.17	86.3	114.3
[15 3 -4]	(1 -5 0)	(1 -1 3)	3.443	1.587	2.17	77.0	111.0
[15 3 4]	(1 -5 0)	(0 4 -3)	3.443	1.583	2.18	65.9	96.6
[15 3 -4]	(1 -5 0)	(0 4 3)	3.443	1.583	2.18	76.4	111.0
[5 1 0]	(1 -5 0)	(1 -5 -3)	3.443	1.572	2.19	68.2	104.0
[15 -3 10]	(1 5 0)	(1 -5 -3)	3.443	1.572	2.19	64.7	85.0
[5 -1 6]	(1 5 0)	(4 2 -3)	3.443	1.566	2.20	72.3	70.4
[15 3 22]	(1 -5 0)	(4 2 -3)	3.443	1.566	2.20	89.2	63.9
[15 -3 -2]	(1 5 0)	(1 3 3)	3.443	1.541	2.23	68.0	107.6
[15 -3 -8]	(1 5 0)	(1 -3 3)	3.443	1.541	2.23	84.6	117.4
[15 -3 20]	(1 5 0)	(3 -5 -3)	3.443	1.531	2.25	72.3	67.1
[15 -3 10]	(1 5 0)	(3 5 -3)	3.443	1.531	2.25	61.7	85.0
[5 1 -7]	(1 -5 0)	(1 9 2)	3.443	1.530	2.25	54.0	133.7
[5 -1 12]	(1 5 0)	(3 -9 -2)	3.443	1.529	2.25	54.1	46.1
[15 -3 4]	(1 5 0)	(2 6 -3)	3.443	1.512	2.28	60.7	96.6
[15 -3 16]	(1 5 0)	(2 -6 -3)	3.443	1.512	2.28	64.4	73.9
[5 -1 8]	(1 5 0)	(4 -4 -3)	3.443	1.502	2.29	80.4	60.8
[15 -3 16]	(1 5 0)	(4 4 -3)	3.443	1.502	2.29	63.7	73.9
[5 1 -5]	(1 -5 0)	(0 10 2)	3.443	1.488	2.31	45.4	127.0
[15 -3 -10]	(1 5 0)	(2 0 3)	3.443	1.478	2.33	79.1	120.4
[5 -1 -2]	(1 5 0)	(0 6 -3)	3.443	1.477	2.33	68.3	114.3
[5 -1 2]	(1 5 0)	(0 6 3)	3.443	1.477	2.33	58.0	92.7
[15 -3 26]	(1 5 0)	(5 -1 -3)	3.443	1.470	2.34	83.4	58.0
[5 -1 8]	(1 5 0)	(5 1 -3)	3.443	1.470	2.34	74.7	60.8
[5 -1 0]	(1 5 0)	(1 5 3)	3.443	1.462	2.36	59.7	104.0
[15 -3 -10]	(1 5 0)	(1 -5 3)	3.443	1.462	2.36	76.2	120.4
[15 -3 -8]	(1 5 0)	(2 2 3)	3.443	1.459	2.36	70.5	117.4
[5 -1 -4]	(1 5 0)	(2 -2 3)	3.443	1.459	2.36	87.8	123.2
[15 -3 -2]	(1 5 0)	(1 7 -3)	3.443	1.450	2.37	60.7	107.6
[5 -1 4]	(1 5 0)	(1 -7 -3)	3.443	1.450	2.37	57.2	81.2
[15 -3 28]	(1 5 0)	(5 -3 -3)	3.443	1.433	2.40	88.1	55.3
[15 -3 22]	(1 5 0)	(5 3 -3)	3.443	1.433	2.40	66.2	63.9
[15 -3 22]	(1 5 0)	(3 -7 -3)	3.443	1.418	2.43	64.8	63.9
[15 3 8]	(1 -5 0)	(3 -7 -3)	3.443	1.418	2.43	54.4	88.9
[15 -3 14]	(1 5 0)	(4 6 -3)	3.443	1.411	2.44	55.9	77.5
[15 -3 26]	(1 5 0)	(4 -6 -3)	3.443	1.411	2.44	72.6	58.0

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2*n* diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[5 -1 -2]	(1 5 0)	(2 4 3)	3.443	1.407	2.45	62.3	114.3
[15 -3 -14]	(1 5 0)	(2 -4 3)	3.443	1.407	2.45	83.9	125.8
[5 -1 -7]	(1 5 0)	(4 6 2)	3.443	1.390	2.48	47.3	133.7
[15 3 2]	(1 -5 0)	(2 -8 -3)	3.443	1.387	2.48	53.9	100.3
[5 1 6]	(1 -5 0)	(2 8 -3)	3.443	1.387	2.48	57.5	70.4
[15 3 20]	(1 -5 0)	(5 -5 -3)	3.443	1.369	2.52	58.4	67.1
[5 1 10]	(1 -5 0)	(5 5 -3)	3.443	1.369	2.52	80.2	52.8
[5 1 -4]	(1 -5 0)	(1 7 3)	3.443	1.362	2.53	68.9	123.2
[15 3 2]	(1 -5 0)	(1 -7 3)	3.443	1.362	2.53	52.5	100.3
[15 3 -8]	(1 -5 0)	(0 8 3)	3.443	1.360	2.53	61.4	117.4
[15 3 8]	(1 -5 0)	(0 8 -3)	3.443	1.360	2.53	51.2	88.9
[5 1 10]	(1 -5 0)	(6 0 -3)	3.443	1.354	2.54	77.0	52.8
[15 3 -16]	(1 -5 0)	(3 1 3)	3.443	1.354	2.54	81.1	128.3
[15 3 -14]	(1 -5 0)	(3 -1 3)	3.443	1.354	2.54	73.1	125.8
[15 3 28]	(1 -5 0)	(6 -2 -3)	3.443	1.339	2.57	69.0	55.3
[15 3 32]	(1 -5 0)	(6 2 -3)	3.443	1.339	2.57	85.1	50.4
[15 3 -16]	(1 -5 0)	(2 6 3)	3.443	1.331	2.59	76.4	128.3
[15 -3 -4]	(1 5 0)	(2 6 3)	3.443	1.331	2.59	54.9	111.0
[15 3 -4]	(1 -5 0)	(1 -9 -3)	3.443	1.325	2.60	54.4	111.0
[15 -3 14]	(1 5 0)	(1 -9 -3)	3.443	1.325	2.60	51.0	77.5
[5 1 4]	(1 -5 0)	(4 -8 -3)	3.443	1.308	2.63	49.3	81.2
[15 3 28]	(1 -5 0)	(4 8 -3)	3.443	1.308	2.63	65.8	55.3
[5 1 2]	(1 -5 0)	(3 -9 -3)	3.443	1.300	2.65	48.2	92.7
[5 1 8]	(1 -5 0)	(3 9 -3)	3.443	1.300	2.65	58.6	60.8
[15 3 26]	(1 -5 0)	(6 -4 -3)	3.443	1.299	2.65	61.4	58.0
[15 3 34]	(1 -5 0)	(6 4 -3)	3.443	1.299	2.65	87.2	48.2
[15 3 32]	(1 -5 0)	(5 7 -3)	3.443	1.286	2.68	73.1	50.4
[5 -1 6]	(1 5 0)	(5 7 -3)	3.443	1.286	2.68	51.5	70.4
[15 3 -10]	(1 -5 0)	(3 -5 3)	3.443	1.274	2.70	57.8	120.4
[15 3 -20]	(1 -5 0)	(3 5 3)	3.443	1.274	2.70	83.5	132.7
[5 1 0]	(1 -5 0)	(2 -10 -3)	3.443	1.264	2.72	48.3	104.0
[15 3 20]	(1 -5 0)	(2 10 -3)	3.443	1.264	2.72	51.9	67.1
[15 3 -14]	(1 -5 0)	(1 9 3)	3.443	1.257	2.74	62.6	125.8
[15 -3 4]	(1 5 0)	(1 9 3)	3.443	1.257	2.74	46.5	96.6
[2 1 0]	(2 -4 0)	(0 0 1)	3.337	5.056	0.66	79.8	101.0
[2 -1 3]	(2 4 0)	(1 -1 -1)	3.337	4.870	0.69	89.0	68.5
[2 -1 1]	(2 4 0)	(1 1 -1)	3.337	4.870	0.69	68.5	89.9
[2 -1 -2]	(2 4 0)	(0 2 -1)	3.337	4.432	0.75	78.9	120.3
[2 -1 2]	(2 4 0)	(0 2 1)	3.337	4.432	0.75	59.7	78.8
[2 1 4]	(2 -4 0)	(2 0 -1)	3.337	4.061	0.82	64.2	59.5
[2 -1 -3]	(2 4 0)	(1 -1 1)	3.337	3.976	0.84	74.6	128.0
[2 1 -1]	(2 -4 0)	(1 -1 1)	3.337	3.976	0.84	54.6	111.3
[2 1 -1]	(2 -4 0)	(1 -3 -1)	3.337	3.900	0.86	53.1	111.3
[2 -1 5]	(2 4 0)	(1 -3 -1)	3.337	3.900	0.86	71.3	51.9

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2*n* diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[2 1 6]	(2 -4 0)	(2 2 -1)	3.337	3.716	0.90	84.0	45.6
[2 -1 2]	(2 4 0)	(2 2 -1)	3.337	3.716	0.90	46.4	78.8
[2 1 -4]	(2 -4 0)	(0 4 1)	3.337	3.404	0.98	65.4	134.3
[2 -1 4]	(2 4 0)	(0 4 1)	3.337	3.404	0.98	49.0	59.5
[2 1 -4]	(2 -4 0)	(2 0 1)	3.337	3.119	1.07	56.4	134.3
[2 1 5]	(2 -4 0)	(3 -1 -1)	3.337	3.067	1.09	48.2	51.9
[2 -1 -3]	(2 4 0)	(1 5 -1)	3.337	2.976	1.12	46.2	128.0
[4 2 3]	(2 -4 0)	(1 1 -2)	3.337	2.591	1.29	84.3	84.3
[4 2 1]	(2 -4 0)	(1 -1 -2)	3.337	2.591	1.29	84.0	95.5
[2 -1 2]	(2 4 0)	(2 0 -2)	3.337	2.525	1.32	79.6	78.8
[2 1 1]	(2 -4 0)	(0 2 -2)	3.337	2.438	1.37	68.7	89.9
[2 -1 -1]	(2 4 0)	(0 2 -2)	3.337	2.438	1.37	88.8	111.3
[4 2 5]	(2 -4 0)	(1 3 -2)	3.337	2.407	1.39	73.6	73.5
[4 -2 -1]	(2 4 0)	(1 3 -2)	3.337	2.407	1.39	73.4	106.3
[4 -2 -3]	(2 4 0)	(1 -1 2)	3.337	2.287	1.46	76.5	116.0
[4 -2 -1]	(2 4 0)	(1 1 2)	3.337	2.287	1.46	65.6	106.3
[4 2 7]	(2 -4 0)	(3 1 -2)	3.337	2.282	1.46	76.3	63.8
[4 -2 5]	(2 4 0)	(3 1 -2)	3.337	2.282	1.46	65.4	73.5
[2 -1 0]	(2 4 0)	(2 4 -2)	3.337	2.214	1.51	59.5	101.0
[2 1 4]	(2 -4 0)	(2 4 -2)	3.337	2.214	1.51	79.1	59.5
[4 -2 -5]	(2 4 0)	(1 -3 2)	3.337	2.158	1.55	87.1	124.3
[4 2 1]	(2 -4 0)	(1 -3 2)	3.337	2.158	1.55	55.9	95.5
[4 -2 9]	(2 4 0)	(3 -3 -2)	3.337	2.154	1.55	86.9	55.5
[4 -2 3]	(2 4 0)	(3 3 -2)	3.337	2.154	1.55	55.8	84.3
[4 -2 -3]	(2 4 0)	(1 5 -2)	3.337	2.133	1.56	65.1	116.0
[4 2 7]	(2 -4 0)	(1 5 -2)	3.337	2.133	1.56	65.3	63.8
[2 -1 -2]	(2 4 0)	(2 0 2)	3.337	2.036	1.64	64.4	120.3
[2 1 5]	(2 -4 0)	(4 2 -2)	3.337	1.983	1.68	74.4	51.9
[2 -1 3]	(2 4 0)	(4 2 -2)	3.337	1.983	1.68	54.5	68.5
[4 2 -7]	(2 -4 0)	(1 5 2)	3.337	1.954	1.71	83.8	131.3
[4 -2 3]	(2 4 0)	(1 5 2)	3.337	1.954	1.71	48.6	84.3
[2 1 -3]	(2 -4 0)	(0 6 2)	3.337	1.951	1.71	71.1	128.0
[2 -1 3]	(2 4 0)	(0 6 2)	3.337	1.951	1.71	53.3	68.5
[4 2 11]	(2 -4 0)	(3 5 -2)	3.337	1.951	1.71	84.0	48.6
[4 -2 1]	(2 4 0)	(3 5 -2)	3.337	1.951	1.71	48.5	95.5
[2 1 0]	(2 -4 0)	(2 -4 2)	3.337	1.862	1.79	46.4	101.0
[2 1 -4]	(2 -4 0)	(2 4 2)	3.337	1.862	1.79	84.1	134.3
[4 2 -5]	(2 -4 0)	(1 -7 -2)	3.337	1.855	1.80	59.2	124.3
[4 -2 9]	(2 4 0)	(1 -7 -2)	3.337	1.855	1.80	59.3	55.5
[4 -2 -5]	(2 4 0)	(3 1 2)	3.337	1.772	1.88	55.1	124.3
[4 2 -7]	(2 -4 0)	(3 1 2)	3.337	1.772	1.88	64.4	131.3
[4 -2 9]	(2 4 0)	(5 1 -2)	3.337	1.767	1.89	55.0	55.5
[4 -2 11]	(2 4 0)	(5 -1 -2)	3.337	1.767	1.89	64.3	48.6
[6 -3 4]	(2 4 0)	(2 0 -3)	3.337	1.737	1.92	86.4	86.2
[6 -3 1]	(2 4 0)	(1 1 -3)	3.337	1.730	1.93	89.5	97.3

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2*n* diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[2 1 1]	(2 -4 0)	(1 1 -3)	3.337	1.730	1.93	82.7	89.9
[4 2 -3]	(2 -4 0)	(3 -3 2)	3.337	1.710	1.95	46.6	116.0
[2 1 2]	(2 -4 0)	(2 2 -3)	3.337	1.707	1.95	85.9	78.8
[6 3 2]	(2 -4 0)	(2 -2 -3)	3.337	1.707	1.95	78.6	93.6
[4 2 7]	(2 -4 0)	(5 -3 -2)	3.337	1.705	1.96	46.6	63.8
[2 1 -2]	(2 -4 0)	(2 -8 -2)	3.337	1.701	1.96	48.9	120.3
[2 1 6]	(2 -4 0)	(2 8 -2)	3.337	1.701	1.96	65.6	45.6
[6 3 7]	(2 -4 0)	(3 1 -3)	3.337	1.676	1.99	83.4	75.3
[6 3 5]	(2 -4 0)	(3 -1 -3)	3.337	1.676	1.99	75.7	82.5
[6 3 -1]	(2 -4 0)	(1 -3 -3)	3.337	1.672	2.00	82.0	104.5
[6 3 5]	(2 -4 0)	(1 3 -3)	3.337	1.672	2.00	75.2	82.5
[6 3 2]	(2 -4 0)	(0 2 -3)	3.337	1.658	2.01	72.2	93.6
[6 3 -2]	(2 -4 0)	(0 2 3)	3.337	1.658	2.01	87.4	108.0
[6 3 8]	(2 -4 0)	(2 4 -3)	3.337	1.625	2.05	78.7	71.8
[2 1 0]	(2 -4 0)	(2 -4 -3)	3.337	1.625	2.05	71.6	101.0
[4 2 -7]	(2 -4 0)	(1 -9 -2)	3.337	1.612	2.07	55.1	131.3
[4 -2 11]	(2 4 0)	(1 -9 -2)	3.337	1.612	2.07	55.3	48.6
[6 3 8]	(2 -4 0)	(4 0 -3)	3.337	1.589	2.10	73.5	71.8
[2 1 -1]	(2 -4 0)	(1 1 3)	3.337	1.587	2.10	77.4	111.3
[6 3 -1]	(2 -4 0)	(1 -1 3)	3.337	1.587	2.10	70.0	104.5
[6 3 4]	(2 -4 0)	(0 4 -3)	3.337	1.583	2.11	65.4	86.2
[6 3 -4]	(2 -4 0)	(0 4 3)	3.337	1.583	2.11	85.3	114.5
[2 1 -1]	(2 -4 0)	(1 -5 -3)	3.337	1.572	2.12	75.2	111.3
[6 -3 7]	(2 4 0)	(1 -5 -3)	3.337	1.572	2.12	68.7	75.3
[2 -1 2]	(2 4 0)	(4 2 -3)	3.337	1.566	2.13	66.2	78.8
[6 3 10]	(2 -4 0)	(4 2 -3)	3.337	1.566	2.13	81.0	65.4
[2 -1 6]	(2 4 0)	(6 0 -2)	3.337	1.555	2.15	56.4	45.6
[6 -3 1]	(2 4 0)	(1 3 3)	3.337	1.541	2.16	63.0	97.3
[6 -3 -5]	(2 4 0)	(1 -3 3)	3.337	1.541	2.16	84.8	117.5
[2 -1 -3]	(2 4 0)	(4 2 2)	3.337	1.538	2.17	48.2	128.0
[6 -3 11]	(2 4 0)	(3 -5 -3)	3.337	1.531	2.18	82.2	62.3
[6 -3 1]	(2 4 0)	(3 5 -3)	3.337	1.531	2.18	62.2	97.3
[6 -3 -2]	(2 4 0)	(2 6 -3)	3.337	1.512	2.21	65.6	108.0
[6 -3 10]	(2 4 0)	(2 -6 -3)	3.337	1.512	2.21	72.4	65.4
[2 -1 4]	(2 4 0)	(4 -4 -3)	3.337	1.502	2.22	88.2	59.5
[6 -3 4]	(2 4 0)	(4 4 -3)	3.337	1.502	2.22	59.7	86.2
[2 -1 5]	(2 4 0)	(0 10 2)	3.337	1.488	2.24	46.3	51.9
[6 -3 -4]	(2 4 0)	(2 0 3)	3.337	1.478	2.26	68.5	114.5
[2 -1 -2]	(2 4 0)	(0 6 -3)	3.337	1.477	2.26	78.9	120.3
[2 -1 2]	(2 4 0)	(0 6 3)	3.337	1.477	2.26	59.7	78.8
[6 -3 11]	(2 4 0)	(5 -1 -3)	3.337	1.470	2.27	72.0	62.3
[2 -1 3]	(2 4 0)	(5 1 -3)	3.337	1.470	2.27	64.8	68.5
[2 -1 1]	(2 4 0)	(1 5 3)	3.337	1.462	2.28	56.9	89.9
[6 -3 -7]	(2 4 0)	(1 -5 3)	3.337	1.462	2.28	88.3	123.1
[6 -3 -2]	(2 4 0)	(2 2 3)	3.337	1.459	2.29	61.6	108.0

(a 10.03Å b 18.415Å c 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[2 -1 -2]	(2 4 0)	(2 -2 3)	3.337	1.459	2.29	75.7	120.3
[6 -3 -5]	(2 4 0)	(1 7 -3)	3.337	1.450	2.30	69.5	117.5
[2 -1 3]	(2 4 0)	(1 -7 -3)	3.337	1.450	2.30	63.3	68.5
[6 -3 13]	(2 4 0)	(5 -3 -3)	3.337	1.433	2.33	79.1	56.8
[6 -3 7]	(2 4 0)	(5 3 -3)	3.337	1.433	2.33	58.2	75.3
[6 -3 13]	(2 4 0)	(3 -7 -3)	3.337	1.418	2.35	76.2	56.8
[6 3 -1]	(2 -4 0)	(3 -7 -3)	3.337	1.418	2.35	57.1	104.5
[6 -3 2]	(2 4 0)	(4 6 -3)	3.337	1.411	2.36	54.1	93.6
[6 -3 14]	(2 4 0)	(4 -6 -3)	3.337	1.411	2.36	85.4	54.3
[2 -1 0]	(2 4 0)	(2 4 3)	3.337	1.407	2.37	55.2	101.0
[6 -3 -8]	(2 4 0)	(2 -4 3)	3.337	1.407	2.37	82.7	125.6
[6 3 -4]	(2 -4 0)	(2 -8 -3)	3.337	1.387	2.41	60.8	114.5
[2 1 4]	(2 -4 0)	(2 8 -3)	3.337	1.387	2.41	67.3	59.5
[6 3 5]	(2 -4 0)	(5 -5 -3)	3.337	1.369	2.44	52.3	82.5
[2 1 5]	(2 -4 0)	(5 5 -3)	3.337	1.369	2.44	85.8	51.9
[2 1 -3]	(2 -4 0)	(1 7 3)	3.337	1.362	2.45	82.3	128.0
[6 3 5]	(2 -4 0)	(1 -7 3)	3.337	1.362	2.45	52.0	82.5
[6 3 -8]	(2 -4 0)	(0 8 3)	3.337	1.360	2.45	73.5	125.6
[6 3 8]	(2 -4 0)	(0 8 -3)	3.337	1.360	2.45	55.1	71.8
[2 1 4]	(2 -4 0)	(6 0 -3)	3.337	1.354	2.47	64.2	59.5
[6 3 -7]	(2 -4 0)	(3 1 3)	3.337	1.354	2.47	67.8	123.1
[6 3 -5]	(2 -4 0)	(3 -1 3)	3.337	1.354	2.47	61.0	117.5
[6 3 10]	(2 -4 0)	(6 -2 -3)	3.337	1.339	2.49	57.6	65.4
[6 3 14]	(2 -4 0)	(6 2 -3)	3.337	1.339	2.49	71.1	54.3
[6 3 -10]	(2 -4 0)	(2 6 3)	3.337	1.331	2.51	89.1	130.2
[6 -3 2]	(2 4 0)	(2 6 3)	3.337	1.331	2.51	49.9	93.6
[6 3 -7]	(2 -4 0)	(1 -9 -3)	3.337	1.325	2.52	64.9	123.1
[6 -3 11]	(2 4 0)	(1 -9 -3)	3.337	1.325	2.52	59.0	62.3
[2 1 0]	(2 -4 0)	(4 -8 -3)	3.337	1.308	2.55	49.8	101.0
[6 3 16]	(2 -4 0)	(4 8 -3)	3.337	1.308	2.55	79.7	49.6
[2 1 -1]	(2 -4 0)	(3 -9 -3)	3.337	1.300	2.57	53.1	111.3
[2 1 5]	(2 -4 0)	(3 9 -3)	3.337	1.300	2.57	71.3	51.9
[6 3 8]	(2 -4 0)	(6 -4 -3)	3.337	1.299	2.57	51.6	71.8
[6 3 16]	(2 -4 0)	(6 4 -3)	3.337	1.299	2.57	77.7	49.6
[6 3 17]	(2 -4 0)	(5 7 -3)	3.337	1.286	2.59	88.1	47.5
[2 -1 1]	(2 4 0)	(5 7 -3)	3.337	1.286	2.59	47.5	89.9
[6 3 -1]	(2 -4 0)	(3 -5 3)	3.337	1.274	2.62	48.9	104.5
[6 3 -11]	(2 -4 0)	(3 5 3)	3.337	1.274	2.62	81.1	132.4
[2 1 -2]	(2 -4 0)	(2 -10 -3)	3.337	1.264	2.64	57.1	120.3
[6 3 14]	(2 -4 0)	(2 10 -3)	3.337	1.264	2.64	63.2	54.3
[6 3 -11]	(2 -4 0)	(1 9 3)	3.337	1.257	2.66	77.1	132.4
[6 -3 7]	(2 4 0)	(1 9 3)	3.337	1.257	2.66	48.1	75.3
[1 3 0]	(3 -1 0)	(0 0 1)	3.181	5.056	0.63	75.3	92.6
[1 -3 4]	(3 1 0)	(1 -1 -1)	3.181	4.870	0.65	78.2	71.9

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2*n* diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[1 -3 -2]	(3 1 0)	(1 1 -1)	3.181	4.870	0.65	72.8	103.1
[1 -3 -6]	(3 1 0)	(0 2 -1)	3.181	4.432	0.72	82.0	121.2
[1 -3 6]	(3 1 0)	(0 2 1)	3.181	4.432	0.72	72.2	62.8
[1 3 2]	(3 -1 0)	(2 0 -1)	3.181	4.061	0.78	51.6	82.0
[1 -3 -4]	(3 1 0)	(1 -1 1)	3.181	3.976	0.80	55.5	112.8
[1 3 2]	(3 -1 0)	(1 -1 1)	3.181	3.976	0.80	50.1	82.0
[1 3 -8]	(3 -1 0)	(1 -3 -1)	3.181	3.900	0.82	71.9	128.4
[1 -3 10]	(3 1 0)	(1 -3 -1)	3.181	3.900	0.82	84.8	48.4
[1 3 8]	(3 -1 0)	(2 2 -1)	3.181	3.716	0.86	60.1	55.0
[1 -3 -4]	(3 1 0)	(2 2 -1)	3.181	3.716	0.86	50.3	112.8
[1 -3 8]	(3 1 0)	(1 3 1)	3.181	3.393	0.94	52.3	55.0
[1 3 -10]	(3 -1 0)	(1 3 1)	3.181	3.393	0.94	65.2	134.4
[1 -3 -10]	(3 1 0)	(2 4 -1)	3.181	3.046	1.04	54.5	134.4
[1 3 -8]	(3 -1 0)	(2 2 1)	3.181	2.954	1.08	46.1	128.4
[1 3 2]	(3 -1 0)	(1 1 -2)	3.181	2.591	1.23	88.8	82.0
[1 3 -1]	(3 -1 0)	(1 -1 -2)	3.181	2.591	1.23	88.5	97.9
[1 -3 1]	(3 1 0)	(2 0 -2)	3.181	2.525	1.26	75.0	87.3
[1 3 3]	(3 -1 0)	(0 2 -2)	3.181	2.438	1.30	73.1	76.8
[1 -3 -3]	(3 1 0)	(0 2 -2)	3.181	2.438	1.30	78.5	108.1
[1 3 5]	(3 -1 0)	(1 3 -2)	3.181	2.407	1.32	86.3	67.2
[1 -3 -4]	(3 1 0)	(1 3 -2)	3.181	2.407	1.32	86.0	112.8
[1 -3 -2]	(3 1 0)	(1 -1 2)	3.181	2.287	1.39	63.8	103.1
[1 -3 1]	(3 1 0)	(1 1 2)	3.181	2.287	1.39	61.0	87.3
[1 3 3]	(3 -1 0)	(3 1 -2)	3.181	2.282	1.39	63.6	76.8
[1 -3 0]	(3 1 0)	(3 1 -2)	3.181	2.282	1.39	60.8	92.6
[1 -3 -5]	(3 1 0)	(2 4 -2)	3.181	2.214	1.44	71.9	117.1
[1 3 7]	(3 -1 0)	(2 4 -2)	3.181	2.214	1.44	81.7	58.7
[1 -3 -5]	(3 1 0)	(1 -3 2)	3.181	2.158	1.47	67.9	117.1
[1 3 4]	(3 -1 0)	(1 -3 2)	3.181	2.158	1.47	60.2	71.9
[1 -3 6]	(3 1 0)	(3 -3 -2)	3.181	2.154	1.48	67.7	62.8
[1 -3 -3]	(3 1 0)	(3 3 -2)	3.181	2.154	1.48	60.0	108.1
[1 -3 -7]	(3 1 0)	(1 5 -2)	3.181	2.133	1.49	84.1	125.0
[1 3 8]	(3 -1 0)	(1 5 -2)	3.181	2.133	1.49	84.4	55.0
[1 -3 -1]	(3 1 0)	(2 0 2)	3.181	2.036	1.56	51.8	97.9
[1 3 5]	(3 -1 0)	(4 2 -2)	3.181	1.983	1.60	55.3	67.2
[1 -3 -1]	(3 1 0)	(4 2 -2)	3.181	1.983	1.60	49.9	97.9
[1 3 -8]	(3 -1 0)	(1 5 2)	3.181	1.954	1.63	72.3	128.4
[1 -3 7]	(3 1 0)	(1 5 2)	3.181	1.954	1.63	60.9	58.7
[1 3 -9]	(3 -1 0)	(0 6 2)	3.181	1.951	1.63	85.0	131.5
[1 -3 9]	(3 1 0)	(0 6 2)	3.181	1.951	1.63	72.2	51.6
[1 3 9]	(3 -1 0)	(3 5 -2)	3.181	1.951	1.63	72.1	51.6
[1 -3 -6]	(3 1 0)	(3 5 -2)	3.181	1.951	1.63	60.7	121.2
[1 3 5]	(3 -1 0)	(2 -4 2)	3.181	1.862	1.71	50.5	67.2
[1 3 -7]	(3 -1 0)	(2 4 2)	3.181	1.862	1.71	60.3	125.0
[1 3 -10]	(3 -1 0)	(1 -7 -2)	3.181	1.855	1.71	82.9	134.4

(a 10.03Å b 18.415Å c 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[1 -3 11]	(3 1 0)	(1 -7 -2)	3.181	1.855	1.71	83.1	45.6
[1 3 -3]	(3 -1 0)	(3 1 2)	3.181	1.772	1.80	45.4	108.1
[1 -3 4]	(3 1 0)	(5 -1 -2)	3.181	1.767	1.80	45.3	71.9
[3 -9 2]	(3 1 0)	(2 0 -3)	3.181	1.737	1.83	84.8	89.1
[1 -3 10]	(3 1 0)	(1 7 2)	3.181	1.734	1.83	62.3	48.4
[1 -3 -9]	(3 1 0)	(3 7 -2)	3.181	1.732	1.84	62.1	131.5
[3 -9 -2]	(3 1 0)	(1 1 -3)	3.181	1.730	1.84	86.0	96.2
[3 9 4]	(3 -1 0)	(1 1 -3)	3.181	1.730	1.84	84.2	85.5
[1 3 -6]	(3 -1 0)	(3 3 2)	3.181	1.710	1.86	49.8	121.2
[3 9 8]	(3 -1 0)	(2 2 -3)	3.181	1.707	1.86	86.7	78.5
[3 9 -4]	(3 -1 0)	(2 -2 -3)	3.181	1.707	1.86	83.0	99.7
[1 3 7]	(3 -1 0)	(5 3 -2)	3.181	1.705	1.87	49.7	58.7
[1 3 11]	(3 -1 0)	(4 6 -2)	3.181	1.694	1.88	65.0	45.6
[1 3 -7]	(3 -1 0)	(4 -6 -2)	3.181	1.694	1.88	52.2	125.0
[1 3 2]	(3 -1 0)	(3 1 -3)	3.181	1.676	1.90	76.0	82.0
[1 3 0]	(3 -1 0)	(3 -1 -3)	3.181	1.676	1.90	74.1	92.6
[3 9 -8]	(3 -1 0)	(1 -3 -3)	3.181	1.672	1.90	88.0	106.4
[3 9 10]	(3 -1 0)	(1 3 -3)	3.181	1.672	1.90	82.6	75.2
[1 3 2]	(3 -1 0)	(0 2 -3)	3.181	1.658	1.92	73.7	82.0
[1 3 -2]	(3 -1 0)	(0 2 3)	3.181	1.658	1.92	77.3	103.1
[3 9 14]	(3 -1 0)	(2 4 -3)	3.181	1.625	1.96	88.6	68.7
[3 9 -10]	(3 -1 0)	(2 -4 -3)	3.181	1.625	1.96	81.6	109.7
[1 3 -9]	(3 -1 0)	(3 5 2)	3.181	1.603	1.98	54.9	131.5
[1 3 10]	(3 -1 0)	(5 5 -2)	3.181	1.599	1.99	54.8	48.4
[3 9 4]	(3 -1 0)	(4 0 -3)	3.181	1.589	2.00	66.0	85.5
[3 9 -4]	(3 -1 0)	(1 1 3)	3.181	1.587	2.01	67.3	99.7
[3 9 2]	(3 -1 0)	(1 -1 3)	3.181	1.587	2.01	65.4	89.1
[1 3 4]	(3 -1 0)	(0 4 -3)	3.181	1.583	2.01	72.6	71.9
[1 3 -4]	(3 -1 0)	(0 4 3)	3.181	1.583	2.01	79.7	112.8
[3 9 -14]	(3 -1 0)	(1 -5 -3)	3.181	1.572	2.02	89.8	115.7
[3 -9 16]	(3 1 0)	(1 -5 -3)	3.181	1.572	2.02	81.3	65.7
[3 -9 -2]	(3 1 0)	(4 2 -3)	3.181	1.566	2.03	64.5	96.2
[3 9 10]	(3 -1 0)	(4 2 -3)	3.181	1.566	2.03	68.2	75.2
[3 -9 8]	(3 1 0)	(1 3 3)	3.181	1.541	2.06	64.4	78.5
[3 -9 -10]	(3 1 0)	(1 -3 3)	3.181	1.541	2.06	69.8	109.7
[1 -3 6]	(3 1 0)	(3 -5 -3)	3.181	1.531	2.08	80.6	62.8
[1 -3 -4]	(3 1 0)	(3 5 -3)	3.181	1.531	2.08	72.1	112.8
[1 -3 11]	(3 1 0)	(2 8 2)	3.181	1.525	2.09	54.7	45.6
[3 -9 -16]	(3 1 0)	(2 6 -3)	3.181	1.512	2.10	80.5	118.5
[3 -9 20]	(3 1 0)	(2 -6 -3)	3.181	1.512	2.10	89.7	60.1
[3 -9 16]	(3 1 0)	(4 -4 -3)	3.181	1.502	2.12	70.9	65.7
[3 -9 -8]	(3 1 0)	(4 4 -3)	3.181	1.502	2.12	63.9	106.4
[3 -9 -2]	(3 1 0)	(2 0 3)	3.181	1.478	2.15	58.4	96.2
[1 -3 -6]	(3 1 0)	(0 6 -3)	3.181	1.477	2.15	82.0	121.2
[1 -3 6]	(3 1 0)	(0 6 3)	3.181	1.477	2.15	72.2	62.8

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2*n* diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[1 -3 9]	(3 1 0)	(3 7 2)	3.181	1.474	2.16	46.0	51.6
[1 -3 9]	(3 1 0)	(6 -4 -2)	3.181	1.474	2.16	46.0	51.6
[1 -3 -8]	(3 1 0)	(5 7 -2)	3.181	1.472	2.16	45.9	128.4
[3 -9 8]	(3 1 0)	(5 -1 -3)	3.181	1.470	2.16	59.3	78.5
[3 -9 2]	(3 1 0)	(5 1 -3)	3.181	1.470	2.16	57.4	89.1
[3 -9 14]	(3 1 0)	(1 5 3)	3.181	1.462	2.18	64.0	68.7
[3 -9 -16]	(3 1 0)	(1 -5 3)	3.181	1.462	2.18	72.5	118.5
[3 -9 4]	(3 1 0)	(2 2 3)	3.181	1.459	2.18	57.0	85.5
[3 -9 -8]	(3 1 0)	(2 -2 3)	3.181	1.459	2.18	60.7	106.4
[3 -9 -20]	(3 1 0)	(1 7 -3)	3.181	1.450	2.19	88.6	123.8
[3 -9 22]	(3 1 0)	(1 -7 -3)	3.181	1.450	2.19	80.4	57.5
[3 -9 14]	(3 1 0)	(5 -3 -3)	3.181	1.433	2.22	61.8	68.7
[3 -9 -4]	(3 1 0)	(5 3 -3)	3.181	1.433	2.22	56.5	99.7
[1 -3 8]	(3 1 0)	(3 -7 -3)	3.181	1.418	2.24	82.8	55.0
[1 3 -6]	(3 -1 0)	(3 -7 -3)	3.181	1.418	2.24	71.9	121.2
[3 -9 -14]	(3 1 0)	(4 6 -3)	3.181	1.411	2.25	63.9	115.7
[3 -9 22]	(3 1 0)	(4 -6 -3)	3.181	1.411	2.25	73.7	57.5
[3 -9 10]	(3 1 0)	(2 4 3)	3.181	1.407	2.26	56.5	75.2
[3 -9 -14]	(3 1 0)	(2 -4 3)	3.181	1.407	2.26	63.5	115.7
[3 9 -22]	(3 -1 0)	(2 -8 -3)	3.181	1.387	2.29	79.8	126.1
[3 9 26]	(3 -1 0)	(2 8 -3)	3.181	1.387	2.29	88.2	52.7
[3 9 -10]	(3 -1 0)	(5 -5 -3)	3.181	1.369	2.32	56.4	109.7
[3 9 20]	(3 -1 0)	(5 5 -3)	3.181	1.369	2.32	64.9	60.1
[3 9 -22]	(3 -1 0)	(1 7 3)	3.181	1.362	2.34	75.2	126.1
[3 9 20]	(3 -1 0)	(1 -7 3)	3.181	1.362	2.34	64.3	60.1
[1 3 -8]	(3 -1 0)	(0 8 3)	3.181	1.360	2.34	84.1	128.4
[1 3 8]	(3 -1 0)	(0 8 -3)	3.181	1.360	2.34	72.1	55.0
[1 3 2]	(3 -1 0)	(6 0 -3)	3.181	1.354	2.35	51.6	82.0
[1 3 -2]	(3 -1 0)	(3 1 3)	3.181	1.354	2.35	52.8	103.1
[1 3 0]	(3 -1 0)	(3 -1 3)	3.181	1.354	2.35	51.0	92.6
[1 3 0]	(3 -1 0)	(6 -2 -3)	3.181	1.339	2.38	50.2	92.6
[1 3 4]	(3 -1 0)	(6 2 -3)	3.181	1.339	2.38	53.9	71.9
[3 9 -20]	(3 -1 0)	(2 6 3)	3.181	1.331	2.39	66.6	123.8
[3 -9 16]	(3 1 0)	(2 6 3)	3.181	1.331	2.39	56.9	65.7
[3 9 -26]	(3 -1 0)	(1 -9 -3)	3.181	1.325	2.40	87.3	130.5
[3 -9 28]	(3 1 0)	(1 -9 -3)	3.181	1.325	2.40	79.8	50.5
[3 9 -20]	(3 -1 0)	(4 -8 -3)	3.181	1.308	2.43	64.4	123.8
[3 9 28]	(3 -1 0)	(4 8 -3)	3.181	1.308	2.43	76.3	50.5
[1 3 -8]	(3 -1 0)	(3 -9 -3)	3.181	1.300	2.45	71.9	128.4
[1 3 10]	(3 -1 0)	(3 9 -3)	3.181	1.300	2.45	84.8	48.4
[1 3 -2]	(3 -1 0)	(6 -4 -3)	3.181	1.299	2.45	49.8	103.1
[1 3 6]	(3 -1 0)	(6 4 -3)	3.181	1.299	2.45	56.8	62.8
[3 9 26]	(3 -1 0)	(5 7 -3)	3.181	1.286	2.47	68.0	52.7
[3 -9 -16]	(3 1 0)	(5 7 -3)	3.181	1.286	2.47	57.0	118.5
[1 3 4]	(3 -1 0)	(3 -5 3)	3.181	1.274	2.50	50.2	71.9

(a 10.03Å b 18.415Å c 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[1 3 -6]	(3 -1 0)	(3 5 3)	3.181	1.274	2.50	58.6	121.2
[3 9 -28]	(3 -1 0)	(2 -10 -3)	3.181	1.264	2.52	79.4	132.5
[3 9 32]	(3 -1 0)	(2 10 -3)	3.181	1.264	2.52	87.0	46.5
[3 9 -28]	(3 -1 0)	(1 9 3)	3.181	1.257	2.53	77.8	132.5
[3 -9 26]	(3 1 0)	(1 9 3)	3.181	1.257	2.53	64.9	52.7
[7 1 0]	(1 -7 0)	(0 0 1)	2.539	5.056	0.50	86.1	104.5
[7 -1 8]	(1 7 0)	(1 -1 -1)	2.539	4.870	0.52	79.1	71.3
[7 -1 6]	(1 7 0)	(1 1 -1)	2.539	4.870	0.52	71.2	79.3
[7 -1 -2]	(1 7 0)	(0 2 -1)	2.539	4.432	0.57	66.1	112.1
[7 -1 2]	(1 7 0)	(0 2 1)	2.539	4.432	0.57	58.4	96.2
[7 1 14]	(1 -7 0)	(2 0 -1)	2.539	4.061	0.63	80.5	51.9
[7 -1 -8]	(1 7 0)	(1 -1 1)	2.539	3.976	0.64	87.3	130.5
[7 1 -6]	(1 -7 0)	(1 -1 1)	2.539	3.976	0.64	68.3	125.2
[7 1 4]	(1 -7 0)	(1 -3 -1)	2.539	3.900	0.65	48.2	87.7
[7 -1 10]	(1 7 0)	(1 -3 -1)	2.539	3.900	0.65	56.0	64.0
[7 1 16]	(1 -7 0)	(2 2 -1)	2.539	3.716	0.68	76.2	47.0
[7 -1 12]	(1 7 0)	(2 2 -1)	2.539	3.716	0.68	57.3	57.6
[7 1 -4]	(1 -7 0)	(0 4 1)	2.539	3.404	0.75	48.1	119.1
[7 -1 -4]	(1 7 0)	(1 3 1)	2.539	3.393	0.75	47.9	119.1
[7 1 4]	(1 -7 0)	(1 1 -2)	2.539	2.591	0.98	82.2	87.7
[7 1 3]	(1 -7 0)	(1 -1 -2)	2.539	2.591	0.98	82.2	92.0
[7 -1 7]	(1 7 0)	(2 0 -2)	2.539	2.525	1.01	86.0	75.3
[7 1 1]	(1 -7 0)	(0 2 -2)	2.539	2.438	1.04	71.3	100.4
[7 -1 -1]	(1 7 0)	(0 2 -2)	2.539	2.438	1.04	79.0	108.4
[7 1 5]	(1 -7 0)	(1 3 -2)	2.539	2.407	1.05	67.8	83.5
[7 -1 2]	(1 7 0)	(1 3 -2)	2.539	2.407	1.05	67.7	96.2
[7 -1 -4]	(1 7 0)	(1 -1 2)	2.539	2.287	1.11	89.8	119.1
[7 -1 -3]	(1 7 0)	(1 1 2)	2.539	2.287	1.11	75.9	115.7
[7 1 11]	(1 -7 0)	(3 1 -2)	2.539	2.282	1.11	89.7	60.7
[7 -1 10]	(1 7 0)	(3 1 -2)	2.539	2.282	1.11	75.9	64.0
[7 -1 5]	(1 7 0)	(2 4 -2)	2.539	2.214	1.15	58.4	83.5
[7 1 9]	(1 -7 0)	(2 4 -2)	2.539	2.214	1.15	66.2	67.6
[7 -1 -5]	(1 7 0)	(1 -3 2)	2.539	2.158	1.18	77.1	122.2
[7 1 -2]	(1 -7 0)	(1 -3 2)	2.539	2.158	1.18	62.9	112.1
[7 -1 12]	(1 7 0)	(3 -3 -2)	2.539	2.154	1.18	77.2	57.6
[7 -1 9]	(1 7 0)	(3 3 -2)	2.539	2.154	1.18	62.9	67.6
[7 -1 1]	(1 7 0)	(1 5 -2)	2.539	2.133	1.19	56.0	100.4
[7 1 6]	(1 -7 0)	(1 5 -2)	2.539	2.133	1.19	56.1	79.3
[7 -1 -7]	(1 7 0)	(2 0 2)	2.539	2.036	1.25	80.5	127.9
[7 1 15]	(1 -7 0)	(4 2 -2)	2.539	1.983	1.28	87.3	49.3
[7 -1 13]	(1 7 0)	(4 2 -2)	2.539	1.983	1.28	68.3	54.6
[7 1 -6]	(1 -7 0)	(1 5 2)	2.539	1.954	1.30	66.0	125.2
[7 -1 -1]	(1 7 0)	(1 5 2)	2.539	1.954	1.30	51.9	108.4
[7 1 -3]	(1 -7 0)	(0 6 2)	2.539	1.951	1.30	55.9	115.7

(*a* 10.03Å *b* 18.415Å *c* 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group **C2/m** permits only (**h+k**)=2*n* diffractions]

Zone Axis	(h k 0)	(h k l)	<i>d</i> (hk0)	<i>d</i> (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[7 -1 3]	(1 7 0)	(0 6 2)	2.539	1.951	1.30	48.3	92.0
[7 1 13]	(1 -7 0)	(3 5 -2)	2.539	1.951	1.30	66.1	54.6
[7 -1 8]	(1 7 0)	(3 5 -2)	2.539	1.951	1.30	51.9	71.3
[7 1 -5]	(1 -7 0)	(2 -4 2)	2.539	1.862	1.36	57.3	122.2
[7 1 -9]	(1 -7 0)	(2 4 2)	2.539	1.862	1.36	76.1	132.9
[7 1 0]	(1 -7 0)	(1 -7 -2)	2.539	1.855	1.37	47.1	104.5
[7 -1 7]	(1 7 0)	(1 -7 -2)	2.539	1.855	1.37	47.1	75.3
[21 -3 14]	(1 7 0)	(2 0 -3)	2.539	1.737	1.46	88.6	84.9
[7 1 -7]	(1 -7 0)	(1 7 2)	2.539	1.734	1.46	57.1	127.9
[7 1 14]	(1 -7 0)	(3 7 -2)	2.539	1.732	1.47	57.2	51.9
[7 -1 2]	(1 7 0)	(1 1 -3)	2.539	1.730	1.47	86.1	96.2
[21 3 8]	(1 -7 0)	(1 1 -3)	2.539	1.730	1.47	83.5	93.4
[7 1 -9]	(1 -7 0)	(3 -3 2)	2.539	1.710	1.48	63.0	132.9
[21 3 16]	(1 -7 0)	(2 2 -3)	2.539	1.707	1.49	81.1	82.1
[7 1 4]	(1 -7 0)	(2 -2 -3)	2.539	1.707	1.49	78.3	87.7
[7 1 16]	(1 -7 0)	(5 -3 -2)	2.539	1.705	1.49	63.1	47.0
[7 1 11]	(1 -7 0)	(2 8 -2)	2.539	1.701	1.49	48.2	60.7
[7 1 11]	(1 -7 0)	(4 -6 -2)	2.539	1.694	1.50	47.9	60.7
[21 3 22]	(1 -7 0)	(3 1 -3)	2.539	1.676	1.51	88.9	73.9
[21 3 20]	(1 -7 0)	(3 -1 -3)	2.539	1.676	1.51	81.0	76.6
[21 3 4]	(1 -7 0)	(1 -3 -3)	2.539	1.672	1.52	76.1	99.0
[21 3 10]	(1 -7 0)	(1 3 -3)	2.539	1.672	1.52	73.4	90.6
[21 3 2]	(1 -7 0)	(0 2 -3)	2.539	1.658	1.53	76.1	101.8
[21 3 -2]	(1 -7 0)	(0 2 3)	2.539	1.658	1.53	83.8	107.1
[7 1 6]	(1 -7 0)	(2 4 -3)	2.539	1.625	1.56	71.5	79.3
[21 3 10]	(1 -7 0)	(2 -4 -3)	2.539	1.625	1.56	68.7	90.6
[7 -1 -8]	(1 7 0)	(3 5 2)	2.539	1.603	1.58	53.6	130.5
[7 1 15]	(1 -7 0)	(5 -5 -2)	2.539	1.599	1.59	53.7	49.3
[21 3 28]	(1 -7 0)	(4 0 -3)	2.539	1.589	1.60	83.8	66.4
[21 3 -8]	(1 -7 0)	(1 1 3)	2.539	1.587	1.60	88.7	114.5
[7 1 -2]	(1 -7 0)	(1 -1 3)	2.539	1.587	1.60	79.1	112.1
[21 3 4]	(1 -7 0)	(0 4 -3)	2.539	1.583	1.60	66.7	99.0
[21 3 -4]	(1 -7 0)	(0 4 3)	2.539	1.583	1.60	74.4	109.7
[21 3 2]	(1 -7 0)	(1 -5 -3)	2.539	1.572	1.62	67.0	101.8
[7 -1 4]	(1 7 0)	(1 -5 -3)	2.539	1.572	1.62	64.4	87.7
[21 -3 26]	(1 7 0)	(4 2 -3)	2.539	1.566	1.62	74.3	68.8
[7 1 10]	(1 -7 0)	(4 2 -3)	2.539	1.566	1.62	86.7	64.0
[21 -3 -4]	(1 7 0)	(1 3 3)	2.539	1.541	1.65	69.8	109.7
[21 -3 -10]]	(1 7 0) (1 -3 3)	2.539	1.541	1.65	82.0	
116.9							
[21 -3 26]	(1 7 0)	(3 -5 -3)	2.539	1.531	1.66	70.2	68.8
[21 -3 16]	(1 7 0)	(3 5 -3)	2.539	1.531	1.66	62.4	82.1
[7 1 -8]	(1 -7 0)	(1 9 2)	2.539	1.530	1.66	50.3	130.5
[7 -1 15]	(1 7 0)	(3 -9 -2)	2.539	1.529	1.66	50.4	49.3
[21 -3 8]	(1 7 0)	(2 6 -3)	2.539	1.512	1.68	60.2	93.4

(a 10.03Å b 18.415Å c 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[21 -3 20]	(1 7 0)	(2 -6 -3)	2.539	1.512	1.68	63.0	76.6
[21 -3 32]	(1 7 0)	(4 -4 -3)	2.539	1.502	1.69	77.7	61.8
[7 -1 8]	(1 7 0)	(4 4 -3)	2.539	1.502	1.69	65.3	71.3
[21 -3 -14]	(1 7 0)	(2 0 3)	2.539	1.478	1.72	82.0	121.2
[7 -1 -2]	(1 7 0)	(0 6 -3)	2.539	1.477	1.72	66.1	112.1
[7 -1 2]	(1 7 0)	(0 6 3)	2.539	1.477	1.72	58.4	96.2
[7 -1 -7]	(1 7 0)	(3 7 2)	2.539	1.474	1.72	45.6	127.9
[7 -1 14]	(1 7 0)	(5 7 -2)	2.539	1.472	1.73	45.6	51.9
[7 -1 12]	(1 7 0)	(5 -1 -3)	2.539	1.470	1.73	86.4	57.6
[21 -3 34]	(1 7 0)	(5 1 -3)	2.539	1.470	1.73	77.5	59.6
[21 -3 -2]	(1 7 0)	(1 5 3)	2.539	1.462	1.74	61.2	107.1
[7 -1 -4]	(1 7 0)	(1 -5 3)	2.539	1.462	1.74	73.5	119.1
[7 -1 -4]	(1 7 0)	(2 2 3)	2.539	1.459	1.74	73.1	119.1
[21 -3 -16]	(1 7 0)	(2 -2 3)	2.539	1.459	1.74	89.1	123.2
[7 -1 0]	(1 7 0)	(1 7 -3)	2.539	1.450	1.75	59.1	104.5
[21 -3 14]	(1 7 0)	(1 -7 -3)	2.539	1.450	1.75	56.6	84.9
[21 -3 38]	(1 7 0)	(5 -3 -3)	2.539	1.433	1.77	84.9	55.6
[21 -3 32]	(1 7 0)	(5 3 -3)	2.539	1.433	1.77	68.8	61.8
[21 -3 28]	(1 7 0)	(3 -7 -3)	2.539	1.418	1.79	62.5	66.4
[21 3 14]	(1 -7 0)	(3 -7 -3)	2.539	1.418	1.79	54.7	84.9
[21 -3 22]	(1 7 0)	(4 6 -3)	2.539	1.411	1.80	57.3	73.9
[21 -3 34]	(1 7 0)	(4 -6 -3)	2.539	1.411	1.80	69.6	59.6
[21 -3 -10]	(1 7 0)	(2 4 3)	2.539	1.407	1.80	64.7	116.9
[7 -1 -6]	(1 7 0)	(2 -4 3)	2.539	1.407	1.80	80.7	125.2
[7 1 2]	(1 -7 0)	(2 -8 -3)	2.539	1.387	1.83	53.1	96.2
[21 3 22]	(1 -7 0)	(2 8 -3)	2.539	1.387	1.83	55.8	73.9
[7 1 10]	(1 -7 0)	(5 -5 -3)	2.539	1.369	1.85	60.7	64.0
[21 3 40]	(1 -7 0)	(5 5 -3)	2.539	1.369	1.85	76.8	53.7
[21 3 -14]	(1 -7 0)	(1 7 3)	2.539	1.362	1.86	65.9	121.2
[7 1 0]	(1 -7 0)	(1 -7 3)	2.539	1.362	1.86	53.7	104.5
[21 3 -8]	(1 -7 0)	(0 8 3)	2.539	1.360	1.87	59.0	114.5
[21 3 8]	(1 -7 0)	(0 8 -3)	2.539	1.360	1.87	51.3	93.4
[7 1 14]	(1 -7 0)	(6 0 -3)	2.539	1.354	1.88	80.5	51.9
[21 3 -22]	(1 -7 0)	(3 1 3)	2.539	1.354	1.88	84.7	128.8
[21 3 -20]	(1 -7 0)	(3 -1 3)	2.539	1.354	1.88	76.4	127.0
[7 1 16]	(1 -7 0)	(3 11 -2)	2.539	1.354	1.88	45.0	47.0
[21 3 40]	(1 -7 0)	(6 -2 -3)	2.539	1.339	1.90	72.3	53.7
[21 3 44]	(1 -7 0)	(6 2 -3)	2.539	1.339	1.90	88.7	50.2
[21 3 -20]	(1 -7 0)	(2 6 3)	2.539	1.331	1.91	73.0	127.0
[21 -3 -8]	(1 7 0)	(2 6 3)	2.539	1.331	1.91	57.0	114.5
[21 3 -2]	(1 -7 0)	(1 -9 -3)	2.539	1.325	1.92	52.6	107.1
[21 -3 16]	(1 7 0)	(1 -9 -3)	2.539	1.325	1.92	50.0	82.1
[21 3 20]	(1 -7 0)	(4 -8 -3)	2.539	1.308	1.94	50.4	76.6
[7 1 12]	(1 -7 0)	(4 8 -3)	2.539	1.308	1.94	62.7	57.6
[7 1 4]	(1 -7 0)	(3 -9 -3)	2.539	1.300	1.95	48.2	87.7

(a 10.03Å b 18.415Å c 5.234Å α 90° β 104.97° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[7 1 10]	(1 -7 0)	(3 9 -3)	2.539	1.300	1.95	56.0	64.0
[21 3 38]	(1 -7 0)	(6 -4 -3)	2.539	1.299	1.95	64.5	55.6
[21 3 46]	(1 -7 0)	(6 4 -3)	2.539	1.299	1.95	83.5	48.5
[7 1 14]	(1 -7 0)	(5 7 -3)	2.539	1.286	1.97	69.5	51.9
[21 -3 28]	(1 7 0)	(5 7 -3)	2.539	1.286	1.97	53.6	66.4
[21 3 -16]	(1 -7 0)	(3 -5 3)	2.539	1.274	1.99	60.8	123.2
[21 3 -26]	(1 -7 0)	(3 5 3)	2.539	1.274	1.99	79.7	132.1
[21 3 4]	(1 -7 0)	(2 -10 -3)	2.539	1.264	2.01	47.2	99.0
[7 1 8]	(1 -7 0)	(2 10 -3)	2.539	1.264	2.01	49.9	71.3
[21 3 -16]	(1 -7 0)	(1 9 3)	2.539	1.257	2.02	59.4	123.2
[21 -3 2]	(1 7 0)	(1 9 3)	2.539	1.257	2.02	47.4	101.8

TOTAL NUMBER OF (HK0)/(HKL) PAIRS: 993

Richterite

a = 10.0300
 b = 18.4150
 c = 5.2340
 alpha = 90.0000
 beta = 104.9700
 gamma = 90.0000

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[1 0 0]	(0 2 0)	(0 0 1)	9.024	5.186	1.74	90.0	103.6
[1 0 1]	(0 2 0)	(1 -1 -1)	9.024	4.891	1.85	74.3	72.2
[1 0 0]	(0 2 0)	(0 2 1)	9.024	4.496	2.01	60.1	103.6
[1 0 -1]	(0 2 0)	(1 1 1)	9.024	4.052	2.23	77.0	128.8
[1 0 2]	(0 2 0)	(2 0 -1)	9.024	4.001	2.26	90.0	48.6
[1 0 1]	(0 2 0)	(1 -3 -1)	9.024	3.882	2.32	49.8	72.2
[1 0 2]	(0 2 0)	(2 2 -1)	9.024	3.658	2.47	66.1	48.6
[1 0 -1]	(0 2 0)	(1 -3 1)	9.024	3.421	2.64	55.3	128.8
[1 0 2]	(0 2 0)	(2 -4 -1)	9.024	2.994	3.01	48.4	48.6
[2 0 1]	(0 2 0)	(1 -1 -2)	9.024	2.637	3.42	81.6	87.8
[1 0 1]	(0 2 0)	(2 0 -2)	9.024	2.541	3.55	90.0	72.2
[1 0 0]	(0 2 0)	(0 2 2)	9.024	2.492	3.62	74.0	103.6
[2 0 1]	(0 2 0)	(1 3 -2)	9.024	2.437	3.70	66.1	87.8
[2 0 -1]	(0 2 0)	(1 1 2)	9.024	2.344	3.85	82.5	117.6
[2 0 3]	(0 2 0)	(3 -1 -2)	9.024	2.268	3.98	82.8	59.0
[1 0 1]	(0 2 0)	(2 -4 -2)	9.024	2.214	4.08	60.6	72.2
[2 0 -1]	(0 2 0)	(1 3 2)	9.024	2.200	4.10	68.5	117.6
[2 0 1]	(0 2 0)	(1 5 -2)	9.024	2.144	4.21	53.6	87.8
[2 0 3]	(0 2 0)	(3 -3 -2)	9.024	2.137	4.22	69.2	59.0
[1 0 -1]	(0 2 0)	(2 0 2)	9.024	2.079	4.34	90.0	128.8
[2 0 -1]	(0 2 0)	(1 5 2)	9.024	1.978	4.56	56.8	117.6
[1 0 0]	(0 2 0)	(0 6 2)	9.024	1.964	4.59	49.2	103.6
[1 0 2]	(0 2 0)	(4 2 -2)	9.024	1.953	4.62	77.5	48.6
[2 0 3]	(0 2 0)	(3 5 -2)	9.024	1.931	4.67	57.6	59.0
[1 0 -1]	(0 2 0)	(2 4 2)	9.024	1.888	4.78	65.3	128.8
[3 0 1]	(0 2 0)	(1 1 -3)	9.024	1.767	5.11	84.4	93.1
[3 0 2]	(0 2 0)	(2 0 -3)	9.024	1.763	5.12	90.0	82.4
[2 0 -1]	(0 2 0)	(1 7 2)	9.024	1.742	5.18	47.5	117.6
[3 0 2]	(0 2 0)	(2 2 -3)	9.024	1.730	5.22	78.9	82.4
[2 0 3]	(0 2 0)	(3 -7 -2)	9.024	1.711	5.28	48.4	59.0
[3 0 1]	(0 2 0)	(1 -3 -3)	9.024	1.703	5.30	73.6	93.1
[1 0 0]	(0 2 0)	(0 2 3)	9.024	1.698	5.32	79.2	103.6
[1 0 1]	(0 2 0)	(3 -1 -3)	9.024	1.686	5.35	84.6	72.2
[1 0 2]	(0 2 0)	(4 6 -2)	9.024	1.666	5.42	56.4	48.6
[3 0 2]	(0 2 0)	(2 4 -3)	9.024	1.642	5.50	68.7	82.4
[3 0 -1]	(0 2 0)	(1 1 3)	9.024	1.628	5.54	84.8	113.2
[1 0 0]	(0 2 0)	(0 4 3)	9.024	1.614	5.59	69.0	103.6
[3 0 1]	(0 2 0)	(1 5 -3)	9.024	1.593	5.66	63.8	93.1
[3 0 4]	(0 2 0)	(4 0 -3)	9.024	1.586	5.69	90.0	63.1
[3 0 -1]	(0 2 0)	(1 -3 3)	9.024	1.577	5.72	74.8	113.2
[3 0 4]	(0 2 0)	(4 -2 -3)	9.024	1.562	5.78	80.0	63.1
[1 0 1]	(0 2 0)	(3 5 -3)	9.024	1.533	5.89	64.9	72.2
[1 0 -1]	(0 2 0)	(2 8 2)	9.024	1.529	5.90	47.3	128.8
[3 0 2]	(0 2 0)	(2 -6 -3)	9.024	1.521	5.93	59.6	82.4
[3 0 -2]	(0 2 0)	(2 0 3)	9.024	1.514	5.96	90.0	121.6

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 0 0]	(0 2 0)	(0 6 3)	9.024	1.499	6.02	60.1	103.6
[3 0 4]	(0 2 0)	(4 -4 -3)	9.024	1.496	6.03	70.6	63.1
[3 0 -2]	(0 2 0)	(2 -2 3)	9.024	1.493	6.04	80.5	121.6
[3 0 -1]	(0 2 0)	(1 -5 3)	9.024	1.489	6.06	65.6	113.2
[3 0 1]	(0 2 0)	(1 -7 -3)	9.024	1.462	6.17	55.4	93.1
[3 0 5]	(0 2 0)	(5 1 -3)	9.024	1.456	6.20	85.4	55.2
[3 0 -2]	(0 2 0)	(2 -4 3)	9.024	1.435	6.29	71.5	121.6
[3 0 5]	(0 2 0)	(5 3 -3)	9.024	1.419	6.36	76.4	55.2
[1 0 1]	(0 2 0)	(3 7 -3)	9.024	1.416	6.37	56.7	72.2
[3 0 4]	(0 2 0)	(4 6 -3)	9.024	1.403	6.43	62.2	63.1
[3 0 2]	(0 2 0)	(2 8 -3)	9.024	1.389	6.50	52.0	82.4
[1 0 -1]	(0 2 0)	(3 1 3)	9.024	1.382	6.53	85.6	128.8
[3 0 -1]	(0 2 0)	(1 7 3)	9.024	1.380	6.54	57.6	113.2
[1 0 0]	(0 2 0)	(0 8 -3)	9.024	1.372	6.58	52.5	103.6
[3 0 5]	(0 2 0)	(5 -5 -3)	9.024	1.354	6.67	68.0	55.2
[3 0 -2]	(0 2 0)	(2 6 3)	9.024	1.352	6.67	63.3	121.6
[1 0 2]	(0 2 0)	(6 0 -3)	9.024	1.334	6.77	90.0	48.6
[3 0 1]	(0 2 0)	(1 9 -3)	9.024	1.329	6.79	48.5	93.1
[1 0 2]	(0 2 0)	(6 2 -3)	9.024	1.319	6.84	81.6	48.6
[3 0 4]	(0 2 0)	(4 8 -3)	9.024	1.297	6.96	54.9	63.1
[1 0 -1]	(0 2 0)	(3 5 3)	9.024	1.294	6.97	69.0	128.8
[1 0 1]	(0 2 0)	(3 -9 -3)	9.024	1.294	6.97	49.8	72.2
[1 0 2]	(0 2 0)	(6 4 -3)	9.024	1.279	7.06	73.5	48.6
[3 0 5]	(0 2 0)	(5 7 -3)	9.024	1.271	7.10	60.5	55.2
[3 0 -1]	(0 2 0)	(1 9 3)	9.024	1.267	7.12	50.8	113.2
[3 0 -4]	(0 2 0)	(4 0 3)	9.024	1.263	7.14	90.0	134.7
[3 0 2]	(0 2 0)	(2 10 -3)	9.024	1.261	7.16	45.7	82.4
[3 0 -2]	(0 2 0)	(2 8 3)	9.024	1.257	7.18	56.1	121.6
[3 0 -4]	(0 2 0)	(4 -2 3)	9.024	1.251	7.21	82.0	134.7
[1 1 0]	(1 1 0)	(0 0 1)	8.403	5.186	1.62	78.0	96.4
[1 1 2]	(1 1 0)	(1 1 -1)	8.403	4.891	1.72	82.3	67.7
[1 1 0]	(1 1 0)	(1 1 -1)	8.403	4.891	1.72	67.3	96.4
[1 1 -2]	(1 1 0)	(0 2 1)	8.403	4.496	1.87	87.0	122.4
[1 1 2]	(1 1 0)	(0 2 -1)	8.403	4.496	1.87	65.7	67.7
[1 1 0]	(1 1 0)	(1 -1 1)	8.403	4.052	2.07	49.9	96.4
[1 -1 -2]	(1 1 0)	(1 -1 1)	8.403	4.052	2.07	64.2	122.4
[1 1 2]	(1 1 0)	(2 0 -1)	8.403	4.001	2.10	54.2	67.7
[1 1 4]	(1 1 0)	(1 3 -1)	8.403	3.882	2.16	84.6	47.0
[1 1 -2]	(1 1 0)	(1 -3 -1)	8.403	3.882	2.16	59.6	122.4
[1 -1 4]	(1 1 0)	(2 -2 -1)	8.403	3.658	2.30	69.7	47.0
[1 -1 4]	(1 1 0)	(0 4 1)	8.403	3.404	2.47	60.8	47.0
[1 1 4]	(1 1 0)	(3 1 -1)	8.403	2.996	2.81	50.2	47.0
[1 -1 1]	(1 1 0)	(1 -1 -2)	8.403	2.637	3.19	88.1	81.5
[1 1 0]	(1 1 0)	(1 1 -2)	8.403	2.637	3.19	84.1	96.4

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 1 1]	(1 1 0)	(2 0 -2)	8.403	2.541	3.31	74.3	81.5
[1 1 -1]	(1 1 0)	(0 2 2)	8.403	2.492	3.37	85.9	110.5
[1 -1 1]	(1 1 0)	(0 2 2)	8.403	2.492	3.37	70.8	81.5
[1 1 2]	(1 1 0)	(1 3 -2)	8.403	2.437	3.45	81.0	67.7
[1 1 -1]	(1 1 0)	(1 -3 -2)	8.403	2.437	3.45	77.3	110.5
[1 -1 -1]	(1 1 0)	(1 -1 2)	8.403	2.344	3.58	69.8	110.5
[1 1 0]	(1 1 0)	(1 1 2)	8.403	2.344	3.58	62.2	96.4
[1 1 1]	(1 1 0)	(3 -1 -2)	8.403	2.268	3.70	59.3	81.5
[1 1 2]	(1 1 0)	(3 1 -2)	8.403	2.268	3.70	66.8	67.7
[1 -1 -1]	(1 1 0)	(2 4 -2)	8.403	2.214	3.80	62.4	110.5
[1 1 3]	(1 1 0)	(2 4 -2)	8.403	2.214	3.80	89.6	56.1
[1 -1 1]	(1 1 0)	(1 3 2)	8.403	2.200	3.82	56.5	81.5
[1 -1 -2]	(1 1 0)	(1 -3 2)	8.403	2.200	3.82	77.8	122.4
[1 1 -2]	(1 1 0)	(1 -5 -2)	8.403	2.144	3.92	72.3	122.4
[1 1 3]	(1 1 0)	(1 5 -2)	8.403	2.144	3.92	75.6	56.1
[1 1 0]	(1 1 0)	(3 -3 -2)	8.403	2.137	3.93	53.7	96.4
[1 -1 3]	(1 1 0)	(3 -3 -2)	8.403	2.137	3.93	74.9	56.1
[1 -1 -1]	(1 1 0)	(2 0 2)	8.403	2.079	4.04	56.3	110.5
[1 1 -3]	(1 1 0)	(1 5 2)	8.403	1.978	4.25	85.0	131.9
[1 1 2]	(1 1 0)	(1 -5 2)	8.403	1.978	4.25	53.3	67.7
[1 1 -3]	(1 1 0)	(0 6 2)	8.403	1.964	4.28	81.6	131.9
[1 -1 3]	(1 1 0)	(0 6 2)	8.403	1.964	4.28	62.5	56.1
[1 1 1]	(1 1 0)	(4 -2 -2)	8.403	1.953	4.30	47.8	81.5
[1 1 3]	(1 1 0)	(4 2 -2)	8.403	1.953	4.30	61.9	56.1
[1 1 4]	(1 1 0)	(3 5 -2)	8.403	1.931	4.35	82.2	47.0
[1 1 -1]	(1 1 0)	(3 -5 -2)	8.403	1.931	4.35	50.6	110.5
[1 1 1]	(1 1 0)	(2 -4 2)	8.403	1.888	4.45	45.7	81.5
[1 1 -3]	(1 1 0)	(2 4 2)	8.403	1.888	4.45	72.0	131.9
[1 1 -3]	(1 1 0)	(1 -7 -2)	8.403	1.853	4.53	69.0	131.9
[1 -1 4]	(1 1 0)	(1 -7 -2)	8.403	1.853	4.53	71.9	47.0
[1 -1 -1]	(1 1 0)	(3 1 2)	8.403	1.799	4.67	46.1	110.5
[1 1 -2]	(1 1 0)	(3 1 2)	8.403	1.799	4.67	53.1	122.4
[1 1 0]	(1 1 0)	(1 1 -3)	8.403	1.767	4.76	89.9	96.4
[3 -3 2]	(1 1 0)	(1 -1 -3)	8.403	1.767	4.76	84.6	86.5
[3 -3 2]	(1 1 0)	(2 0 -3)	8.403	1.763	4.77	83.3	86.5
[1 -1 3]	(1 1 0)	(1 7 2)	8.403	1.742	4.82	51.9	56.1
[1 -1 -3]	(1 1 0)	(3 -3 2)	8.403	1.732	4.85	60.7	131.9
[1 1 3]	(1 1 0)	(5 1 -2)	8.403	1.731	4.85	51.4	56.1
[1 1 0]	(1 1 0)	(2 -2 -3)	8.403	1.730	4.86	78.3	96.4
[3 3 4]	(1 1 0)	(2 2 -3)	8.403	1.730	4.86	88.6	76.7
[1 1 -2]	(1 1 0)	(3 -7 -2)	8.403	1.711	4.91	49.5	122.4
[3 3 -2]	(1 1 0)	(1 -3 -3)	8.403	1.703	4.93	85.1	106.0
[3 -3 4]	(1 1 0)	(1 -3 -3)	8.403	1.703	4.93	79.7	76.7
[3 3 -2]	(1 1 0)	(0 2 3)	8.403	1.698	4.95	83.3	106.0
[3 3 2]	(1 1 0)	(0 2 -3)	8.403	1.698	4.95	73.0	86.5

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 1 -3]	(1 1 0)	(2 -8 -2)	8.403	1.687	4.98	58.2	131.9
[3 3 2]	(1 1 0)	(3 -1 -3)	8.403	1.686	4.98	71.8	86.5
[3 -3 4]	(1 1 0)	(3 -1 -3)	8.403	1.686	4.98	77.0	76.7
[1 1 4]	(1 1 0)	(5 3 -2)	8.403	1.671	5.03	59.0	47.0
[3 3 -2]	(1 1 0)	(2 -4 -3)	8.403	1.642	5.12	73.9	106.0
[1 1 2]	(1 1 0)	(2 4 -3)	8.403	1.642	5.12	86.5	67.7
[3 3 -2]	(1 1 0)	(1 1 3)	8.403	1.628	5.16	72.2	106.0
[1 1 0]	(1 1 0)	(1 1 3)	8.403	1.628	5.16	67.1	96.4
[3 3 -4]	(1 1 0)	(0 4 3)	8.403	1.614	5.21	88.4	114.8
[3 3 4]	(1 1 0)	(0 4 -3)	8.403	1.614	5.21	68.9	76.7
[1 1 2]	(1 1 0)	(1 5 -3)	8.403	1.593	5.27	75.6	67.7
[3 3 -4]	(1 1 0)	(1 -5 -3)	8.403	1.593	5.27	80.7	114.8
[3 3 4]	(1 1 0)	(4 0 -3)	8.403	1.586	5.30	66.4	76.7
[3 3 -4]	(1 1 0)	(1 3 3)	8.403	1.577	5.33	77.6	114.8
[3 3 2]	(1 1 0)	(1 -3 3)	8.403	1.577	5.33	62.7	86.5
[3 -3 2]	(1 1 0)	(4 2 -3)	8.403	1.562	5.38	61.6	86.5
[1 -1 2]	(1 1 0)	(4 -2 -3)	8.403	1.562	5.38	71.7	67.7
[1 1 -3]	(1 1 0)	(4 2 2)	8.403	1.553	5.41	51.4	131.9
[3 -3 8]	(1 1 0)	(3 -5 -3)	8.403	1.533	5.48	87.3	59.7
[3 -3 -2]	(1 1 0)	(3 5 -3)	8.403	1.533	5.48	63.8	106.0
[1 -1 4]	(1 1 0)	(1 9 2)	8.403	1.529	5.50	51.7	47.0
[3 -3 8]	(1 1 0)	(2 -6 -3)	8.403	1.521	5.53	82.2	59.7
[3 3 -4]	(1 1 0)	(2 -6 -3)	8.403	1.521	5.53	70.4	114.8
[3 -3 -2]	(1 1 0)	(2 0 3)	8.403	1.514	5.55	62.3	106.0
[1 -1 -3]	(1 1 0)	(3 9 -2)	8.403	1.508	5.57	49.4	131.9
[1 -1 -2]	(1 1 0)	(0 6 -3)	8.403	1.499	5.61	87.0	122.4
[1 -1 2]	(1 1 0)	(0 6 3)	8.403	1.499	5.61	65.7	67.7
[1 1 0]	(1 1 0)	(4 4 -3)	8.403	1.496	5.62	57.8	96.4
[3 -3 8]	(1 1 0)	(4 -4 -3)	8.403	1.496	5.62	77.1	59.7
[1 1 0]	(1 1 0)	(2 2 3)	8.403	1.493	5.63	57.7	96.4
[3 -3 -4]	(1 1 0)	(2 -2 3)	8.403	1.493	5.63	67.6	114.8
[3 -3 4]	(1 1 0)	(1 5 3)	8.403	1.489	5.64	59.3	76.7
[1 -1 -2]	(1 1 0)	(1 -5 3)	8.403	1.489	5.64	82.8	122.4
[3 -3 8]	(1 1 0)	(1 -7 -3)	8.403	1.462	5.75	72.3	59.7
[1 1 -2]	(1 1 0)	(1 -7 -3)	8.403	1.462	5.75	77.0	122.4
[1 -1 2]	(1 1 0)	(5 -1 -3)	8.403	1.456	5.77	62.2	67.7
[3 -3 4]	(1 1 0)	(5 1 -3)	8.403	1.456	5.77	57.3	76.7
[3 -3 2]	(1 1 0)	(2 4 3)	8.403	1.435	5.85	54.0	86.5
[1 -1 -2]	(1 1 0)	(2 -4 3)	8.403	1.435	5.85	73.0	122.4
[3 -3 8]	(1 1 0)	(5 -3 -3)	8.403	1.419	5.92	67.6	59.7
[3 -3 2]	(1 1 0)	(5 3 -3)	8.403	1.419	5.92	53.1	86.5
[3 -3 10]	(1 1 0)	(3 -7 -3)	8.403	1.416	5.94	88.3	52.8
[3 -3 -4]	(1 1 0)	(3 7 -3)	8.403	1.416	5.94	61.2	114.8
[3 -3 10]	(1 1 0)	(4 -6 -3)	8.403	1.403	5.99	82.1	52.8
[3 -3 -2]	(1 1 0)	(4 6 -3)	8.403	1.403	5.99	55.2	106.0

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 3 10]	(1 1 0)	(2 8 -3)	8.403	1.389	6.05	78.8	52.8
[1 1 -2]	(1 1 0)	(2 -8 -3)	8.403	1.389	6.05	67.8	122.4
[3 3 -4]	(1 1 0)	(3 1 3)	8.403	1.382	6.08	58.9	114.8
[3 -3 -2]	(1 1 0)	(3 1 3)	8.403	1.382	6.08	54.0	106.0
[3 3 -8]	(1 1 0)	(1 7 3)	8.403	1.380	6.09	87.4	129.0
[1 -1 2]	(1 1 0)	(1 7 3)	8.403	1.380	6.09	57.0	67.7
[3 3 -8]	(1 1 0)	(0 8 3)	8.403	1.372	6.12	83.2	129.0
[3 3 8]	(1 1 0)	(0 8 -3)	8.403	1.372	6.12	63.4	59.7
[1 1 0]	(1 1 0)	(5 -5 -3)	8.403	1.354	6.21	50.0	96.4
[3 -3 10]	(1 1 0)	(5 -5 -3)	8.403	1.354	6.21	72.9	52.8
[3 3 -8]	(1 1 0)	(2 6 3)	8.403	1.352	6.21	78.1	129.0
[3 -3 4]	(1 1 0)	(2 6 3)	8.403	1.352	6.21	51.4	76.7
[1 1 2]	(1 1 0)	(6 0 -3)	8.403	1.334	6.30	54.2	67.7
[3 3 -8]	(1 1 0)	(1 -9 -3)	8.403	1.329	6.32	74.2	129.0
[3 3 10]	(1 1 0)	(1 9 -3)	8.403	1.329	6.32	69.8	52.8
[3 3 4]	(1 1 0)	(6 -2 -3)	8.403	1.319	6.37	49.7	76.7
[3 3 8]	(1 1 0)	(6 2 -3)	8.403	1.319	6.37	59.3	59.7
[3 3 -4]	(1 1 0)	(4 -8 -3)	8.403	1.297	6.48	53.5	114.8
[1 1 4]	(1 1 0)	(4 8 -3)	8.403	1.297	6.48	86.6	47.0
[3 3 2]	(1 1 0)	(3 -5 3)	8.403	1.294	6.49	46.8	86.5
[3 3 -8]	(1 1 0)	(3 5 3)	8.403	1.294	6.49	69.5	129.0
[1 1 -2]	(1 1 0)	(3 -9 -3)	8.403	1.294	6.49	59.6	122.4
[1 -1 4]	(1 1 0)	(3 -9 -3)	8.403	1.294	6.49	84.6	47.0
[3 3 2]	(1 1 0)	(6 -4 -3)	8.403	1.279	6.57	46.1	86.5
[3 3 10]	(1 1 0)	(6 4 -3)	8.403	1.279	6.57	64.6	52.8
[3 3 -2]	(1 1 0)	(5 -7 -3)	8.403	1.271	6.61	48.0	106.0
[1 1 4]	(1 1 0)	(5 7 -3)	8.403	1.271	6.61	77.9	47.0
[3 3 8]	(1 1 0)	(1 -9 3)	8.403	1.267	6.63	55.6	59.7
[3 3 -10]	(1 1 0)	(1 9 3)	8.403	1.267	6.63	88.6	134.6
[3 3 -4]	(1 1 0)	(4 0 3)	8.403	1.263	6.65	51.5	114.8
[3 3 -8]	(1 1 0)	(2 -10 -3)	8.403	1.261	6.66	65.9	129.0
[1 1 4]	(1 1 0)	(2 10 -3)	8.403	1.261	6.66	76.0	47.0
[1 1 2]	(1 1 0)	(2 -8 3)	8.403	1.257	6.68	49.8	67.7
[3 3 -10]	(1 1 0)	(2 8 3)	8.403	1.257	6.68	82.8	134.6
[1 1 -2]	(1 1 0)	(4 2 3)	8.403	1.251	6.72	56.5	122.4
[3 -3 -2]	(1 1 0)	(4 2 3)	8.403	1.251	6.72	47.0	106.0
[3 1 0]	(1 3 0)	(0 0 1)	5.082	5.186	.98	82.8	101.5
[3 -1 2]	(1 3 0)	(1 1 -1)	5.082	4.891	1.04	67.3	83.6
[3 1 4]	(1 3 0)	(1 1 -1)	5.082	4.891	1.04	85.9	66.8
[3 -1 2]	(1 3 0)	(0 2 1)	5.082	4.496	1.13	58.0	83.6
[3 -1 -2]	(1 3 0)	(0 2 -1)	5.082	4.496	1.13	71.8	117.5
[3 -1 -4]	(1 3 0)	(1 -1 1)	5.082	4.052	1.25	82.1	129.9
[3 1 -2]	(1 3 0)	(1 -1 1)	5.082	4.052	1.25	58.9	117.5
[3 -1 6]	(1 3 0)	(2 0 -1)	5.082	4.001	1.27	69.3	53.3

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 1 0]	(1 3 0)	(1 3 -1)	5.082	3.882	1.31	48.0	101.5
[3 -1 6]	(1 3 0)	(1 -3 -1)	5.082	3.882	1.31	65.1	53.3
[3 1 4]	(1 3 0)	(2 -2 -1)	5.082	3.658	1.39	48.2	66.8
[3 1 -4]	(1 3 0)	(0 4 1)	5.082	3.404	1.49	56.3	129.9
[3 -1 -4]	(1 3 0)	(2 2 1)	5.082	2.976	1.71	46.7	129.9
[3 1 1]	(1 3 0)	(1 -1 -2)	5.082	2.637	1.93	81.7	92.6
[3 1 2]	(1 3 0)	(1 1 -2)	5.082	2.637	1.93	84.1	83.6
[3 -1 3]	(1 3 0)	(2 0 -2)	5.082	2.541	2.00	80.6	74.9
[3 -1 1]	(1 3 0)	(0 2 2)	5.082	2.492	2.04	69.3	92.6
[3 1 -1]	(1 3 0)	(0 2 2)	5.082	2.492	2.04	83.5	109.9
[3 1 0]	(1 3 0)	(1 3 -2)	5.082	2.437	2.09	68.8	101.5
[3 -1 3]	(1 3 0)	(1 -3 -2)	5.082	2.437	2.09	71.2	74.9
[3 1 -1]	(1 3 0)	(1 -1 2)	5.082	2.344	2.17	69.2	109.9
[3 1 -2]	(1 3 0)	(1 1 2)	5.082	2.344	2.17	82.2	117.5
[3 -1 5]	(1 3 0)	(3 -1 -2)	5.082	2.268	2.24	80.4	59.6
[3 -1 4]	(1 3 0)	(3 1 -2)	5.082	2.268	2.24	67.7	66.8
[3 1 5]	(1 3 0)	(2 4 -2)	5.082	2.214	2.30	74.2	59.6
[3 -1 1]	(1 3 0)	(2 4 -2)	5.082	2.214	2.30	56.2	92.6
[3 1 -3]	(1 3 0)	(1 3 2)	5.082	2.200	2.31	85.5	124.2
[3 1 0]	(1 3 0)	(1 -3 2)	5.082	2.200	2.31	57.3	101.5
[3 -1 4]	(1 3 0)	(1 -5 -2)	5.082	2.144	2.37	61.0	66.8
[3 -1 -1]	(1 3 0)	(1 5 -2)	5.082	2.144	2.37	58.8	109.9
[3 -1 6]	(1 3 0)	(3 -3 -2)	5.082	2.137	2.38	87.6	53.3
[3 1 3]	(1 3 0)	(3 -3 -2)	5.082	2.137	2.38	56.1	74.9
[3 1 -3]	(1 3 0)	(2 0 2)	5.082	2.079	2.44	70.4	124.2
[3 -1 1]	(1 3 0)	(1 5 2)	5.082	1.978	2.57	47.9	92.6
[3 -1 -4]	(1 3 0)	(1 -5 2)	5.082	1.978	2.57	75.2	129.9
[3 -1 3]	(1 3 0)	(0 6 2)	5.082	1.964	2.59	49.7	74.9
[3 1 -3]	(1 3 0)	(0 6 2)	5.082	1.964	2.59	62.9	124.2
[3 -1 7]	(1 3 0)	(4 -2 -2)	5.082	1.953	2.60	80.6	47.9
[3 -1 5]	(1 3 0)	(4 2 -2)	5.082	1.953	2.60	58.1	59.6
[3 -1 2]	(1 3 0)	(3 5 -2)	5.082	1.931	2.63	46.8	83.6
[3 -1 7]	(1 3 0)	(3 -5 -2)	5.082	1.931	2.63	77.3	47.9
[3 -1 -5]	(1 3 0)	(2 -4 2)	5.082	1.888	2.69	87.2	134.9
[3 -1 -1]	(1 3 0)	(2 4 2)	5.082	1.888	2.69	48.9	109.9
[3 -1 5]	(1 3 0)	(1 -7 -2)	5.082	1.853	2.74	53.7	59.6
[3 1 -2]	(1 3 0)	(1 -7 -2)	5.082	1.853	2.74	51.6	117.5
[3 1 -5]	(1 3 0)	(3 1 2)	5.082	1.799	2.82	72.1	134.9
[3 -1 -4]	(1 3 0)	(3 1 2)	5.082	1.799	2.82	61.6	129.9
[9 3 4]	(1 3 0)	(1 1 -3)	5.082	1.767	2.88	83.6	89.6
[9 3 2]	(1 3 0)	(1 -1 -3)	5.082	1.767	2.88	86.9	95.6
[3 1 2]	(1 3 0)	(2 0 -3)	5.082	1.763	2.88	86.0	83.6
[3 1 -5]	(1 3 0)	(1 7 2)	5.082	1.742	2.92	67.2	134.9
[3 1 -3]	(1 3 0)	(3 -3 2)	5.082	1.732	2.93	51.7	124.2
[3 -1 7]	(1 3 0)	(5 1 -2)	5.082	1.731	2.94	61.0	47.9

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[9 -3 8]	(1 3 0)	(2 -2 -3)	5.082	1.730	2.94	84.7	77.7
[9 -3 4]	(1 3 0)	(2 2 -3)	5.082	1.730	2.94	76.6	89.6
[3 -1 2]	(1 3 0)	(1 -3 -3)	5.082	1.703	2.98	74.5	83.6
[3 1 0]	(1 3 0)	(1 -3 -3)	5.082	1.703	2.98	77.8	101.5
[9 -3 2]	(1 3 0)	(0 2 3)	5.082	1.698	2.99	73.6	95.6
[9 -3 -2]	(1 3 0)	(0 2 -3)	5.082	1.698	2.99	88.0	107.2
[3 -1 7]	(1 3 0)	(2 -8 -2)	5.082	1.687	3.01	58.4	47.9
[9 -3 10]	(1 3 0)	(3 -1 -3)	5.082	1.686	3.01	85.2	72.1
[9 3 8]	(1 3 0)	(3 -1 -3)	5.082	1.686	3.01	76.0	77.7
[3 -1 6]	(1 3 0)	(5 3 -2)	5.082	1.671	3.04	51.4	53.3
[9 -3 10]	(1 3 0)	(2 -4 -3)	5.082	1.642	3.09	76.0	72.1
[9 -3 2]	(1 3 0)	(2 4 -3)	5.082	1.642	3.09	68.1	95.6
[9 -3 -2]	(1 3 0)	(1 1 3)	5.082	1.628	3.12	73.4	107.2
[9 3 -4]	(1 3 0)	(1 1 3)	5.082	1.628	3.12	82.3	112.5
[9 -3 4]	(1 3 0)	(0 4 3)	5.082	1.614	3.15	65.2	89.6
[9 -3 -4]	(1 3 0)	(0 4 -3)	5.082	1.614	3.15	79.4	112.5
[3 -1 6]	(1 3 0)	(1 -9 -2)	5.082	1.602	3.17	48.5	53.3
[3 -1 -3]	(1 3 0)	(1 9 -2)	5.082	1.602	3.17	46.6	124.2
[9 -3 -2]	(1 3 0)	(1 5 -3)	5.082	1.593	3.19	69.7	107.2
[9 -3 8]	(1 3 0)	(1 -5 -3)	5.082	1.593	3.19	66.5	77.7
[3 -1 4]	(1 3 0)	(4 0 -3)	5.082	1.586	3.20	76.0	66.8
[3 1 0]	(1 3 0)	(1 3 3)	5.082	1.577	3.22	64.8	101.5
[3 -1 -2]	(1 3 0)	(1 -3 3)	5.082	1.577	3.22	89.0	117.5
[9 3 14]	(1 3 0)	(4 2 -3)	5.082	1.562	3.25	84.7	61.9
[9 3 10]	(1 3 0)	(4 -2 -3)	5.082	1.562	3.25	67.4	72.1
[3 -1 -5]	(1 3 0)	(4 2 2)	5.082	1.553	3.27	55.2	134.9
[9 3 4]	(1 3 0)	(3 -5 -3)	5.082	1.533	3.31	59.6	89.6
[9 3 14]	(1 3 0)	(3 5 -3)	5.082	1.533	3.31	77.8	61.9
[3 1 0]	(1 3 0)	(2 -6 -3)	5.082	1.521	3.34	60.8	101.5
[3 -1 4]	(1 3 0)	(2 -6 -3)	5.082	1.521	3.34	68.5	66.8
[3 1 -2]	(1 3 0)	(2 0 3)	5.082	1.514	3.36	73.7	117.5
[3 1 2]	(1 3 0)	(0 6 -3)	5.082	1.499	3.39	58.0	83.6
[3 1 -2]	(1 3 0)	(0 6 3)	5.082	1.499	3.39	71.8	117.5
[9 3 16]	(1 3 0)	(4 4 -3)	5.082	1.496	3.40	87.0	57.4
[9 3 8]	(1 3 0)	(4 -4 -3)	5.082	1.496	3.40	59.4	77.7
[9 3 -8]	(1 3 0)	(2 2 3)	5.082	1.493	3.40	82.1	122.0
[9 3 -4]	(1 3 0)	(2 -2 3)	5.082	1.493	3.40	65.4	112.5
[9 3 -8]	(1 3 0)	(1 5 3)	5.082	1.489	3.41	81.0	122.0
[9 3 2]	(1 3 0)	(1 -5 3)	5.082	1.489	3.41	57.3	95.6
[3 1 -5]	(1 3 0)	(0 10 2)	5.082	1.481	3.43	51.6	134.9
[9 3 -4]	(1 3 0)	(1 -7 -3)	5.082	1.462	3.47	62.9	112.5
[9 -3 10]	(1 3 0)	(1 -7 -3)	5.082	1.462	3.47	59.8	72.1
[9 3 14]	(1 3 0)	(5 -1 -3)	5.082	1.456	3.49	68.1	61.9
[9 3 16]	(1 3 0)	(5 1 -3)	5.082	1.456	3.49	76.3	57.4
[3 1 7]	(1 3 0)	(6 -4 -2)	5.082	1.439	3.53	46.6	47.9

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[9 3 -10]	(1 3 0)	(2 4 3)	5.082	1.435	3.54	89.9	126.2
[9 3 -2]	(1 3 0)	(2 -4 3)	5.082	1.435	3.54	57.7	107.2
[3 1 4]	(1 3 0)	(5 -3 -3)	5.082	1.419	3.58	60.3	66.8
[3 1 6]	(1 3 0)	(5 3 -3)	5.082	1.419	3.58	84.4	53.3
[9 3 2]	(1 3 0)	(3 -7 -3)	5.082	1.416	3.59	53.1	95.6
[9 3 16]	(1 3 0)	(3 7 -3)	5.082	1.416	3.59	70.9	57.4
[3 1 2]	(1 3 0)	(4 -6 -3)	5.082	1.403	3.62	52.5	83.6
[3 1 6]	(1 3 0)	(4 6 -3)	5.082	1.403	3.62	79.6	53.3
[9 -3 -2]	(1 3 0)	(2 8 -3)	5.082	1.389	3.66	54.9	107.2
[9 -3 14]	(1 3 0)	(2 -8 -3)	5.082	1.389	3.66	62.3	61.9
[9 -3 -8]	(1 3 0)	(3 1 3)	5.082	1.382	3.68	66.5	122.0
[9 3 -10]	(1 3 0)	(3 1 3)	5.082	1.382	3.68	74.4	126.2
[9 -3 4]	(1 3 0)	(1 7 3)	5.082	1.380	3.68	50.9	89.6
[9 3 -10]	(1 3 0)	(1 7 3)	5.082	1.380	3.68	74.1	126.2
[9 -3 8]	(1 3 0)	(0 8 3)	5.082	1.372	3.70	52.2	77.7
[9 -3 -8]	(1 3 0)	(0 8 -3)	5.082	1.372	3.70	65.5	122.0
[9 -3 20]	(1 3 0)	(5 -5 -3)	5.082	1.354	3.75	88.1	49.6
[9 3 10]	(1 3 0)	(5 -5 -3)	5.082	1.354	3.75	53.1	72.1
[3 1 0]	(1 3 0)	(2 6 3)	5.082	1.352	3.76	50.9	101.5
[3 1 -4]	(1 3 0)	(2 6 3)	5.082	1.352	3.76	82.6	129.9
[3 -1 6]	(1 3 0)	(6 0 -3)	5.082	1.334	3.81	69.3	53.3
[3 -1 4]	(1 3 0)	(1 -9 -3)	5.082	1.329	3.82	54.4	66.8
[3 -1 -2]	(1 3 0)	(1 9 -3)	5.082	1.329	3.82	57.4	117.5
[9 -3 20]	(1 3 0)	(6 -2 -3)	5.082	1.319	3.85	76.9	49.6
[9 -3 16]	(1 3 0)	(6 2 -3)	5.082	1.319	3.85	61.7	57.4
[9 -3 20]	(1 3 0)	(4 -8 -3)	5.082	1.297	3.92	73.3	49.6
[9 -3 4]	(1 3 0)	(4 8 -3)	5.082	1.297	3.92	46.9	89.6
[9 -3 -14]	(1 3 0)	(3 -5 3)	5.082	1.294	3.93	89.4	133.3
[9 -3 -4]	(1 3 0)	(3 5 3)	5.082	1.294	3.93	52.0	112.5
[3 -1 6]	(1 3 0)	(3 -9 -3)	5.082	1.294	3.93	65.1	53.3
[3 1 0]	(1 3 0)	(3 -9 -3)	5.082	1.294	3.93	48.0	101.5
[9 -3 22]	(1 3 0)	(6 -4 -3)	5.082	1.279	3.97	84.3	46.3
[9 -3 14]	(1 3 0)	(6 4 -3)	5.082	1.279	3.97	54.6	61.9
[9 -3 22]	(1 3 0)	(5 -7 -3)	5.082	1.271	4.00	81.3	46.3
[9 -3 8]	(1 3 0)	(5 7 -3)	5.082	1.271	4.00	47.0	77.7
[3 -1 -4]	(1 3 0)	(1 -9 3)	5.082	1.267	4.01	68.3	129.9
[3 -1 2]	(1 3 0)	(1 9 3)	5.082	1.267	4.01	45.8	83.6
[3 -1 -4]	(1 3 0)	(4 0 3)	5.082	1.263	4.02	67.9	129.9
[9 -3 16]	(1 3 0)	(2 -10 -3)	5.082	1.261	4.03	57.3	57.4
[9 -3 -4]	(1 3 0)	(2 10 -3)	5.082	1.261	4.03	50.2	112.5
[9 -3 -14]	(1 3 0)	(2 -8 3)	5.082	1.257	4.04	76.3	133.3
[9 -3 2]	(1 3 0)	(2 8 3)	5.082	1.257	4.04	45.3	95.6
[9 -3 -10]	(1 3 0)	(4 2 3)	5.082	1.251	4.06	60.6	126.2
[9 3 -14]	(1 3 0)	(4 2 3)	5.082	1.251	4.06	75.2	133.3

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[0 1 0]	(2 0 0)	(0 0 1)	4.748	5.186	.92	76.4	90.0
[0 1 -1]	(2 0 0)	(1 -1 -1)	4.748	4.891	.97	72.9	106.5
[0 -1 2]	(2 0 0)	(0 2 1)	4.748	4.496	1.06	78.2	59.4
[0 -1 1]	(2 0 0)	(1 1 1)	4.748	4.052	1.17	52.4	73.5
[0 1 0]	(2 0 0)	(2 0 -1)	4.748	4.001	1.19	48.6	90.0
[0 1 -3]	(2 0 0)	(1 -3 -1)	4.748	3.882	1.22	76.5	131.6
[0 1 2]	(2 0 0)	(2 2 -1)	4.748	3.658	1.30	52.8	59.4
[0 -1 -3]	(2 0 0)	(1 -3 1)	4.748	3.421	1.39	59.0	131.6
[0 2 -1]	(2 0 0)	(1 -1 -2)	4.748	2.637	1.80	87.8	98.4
[0 1 0]	(2 0 0)	(2 0 -2)	4.748	2.541	1.87	72.2	90.0
[0 -1 1]	(2 0 0)	(0 2 2)	4.748	2.492	1.91	76.9	73.5
[0 2 3]	(2 0 0)	(1 3 -2)	4.748	2.437	1.95	87.9	66.1
[0 -2 1]	(2 0 0)	(1 1 2)	4.748	2.344	2.03	62.7	81.6
[0 2 -1]	(2 0 0)	(3 -1 -2)	4.748	2.268	2.09	59.3	98.4
[0 1 -2]	(2 0 0)	(2 -4 -2)	4.748	2.214	2.14	74.6	120.6
[0 -2 3]	(2 0 0)	(1 3 2)	4.748	2.200	2.16	64.5	66.1
[0 2 5]	(2 0 0)	(1 5 -2)	4.748	2.144	2.21	88.2	53.5
[0 2 -3]	(2 0 0)	(3 -3 -2)	4.748	2.137	2.22	61.2	113.9
[0 1 0]	(2 0 0)	(2 0 2)	4.748	2.079	2.28	51.2	90.0
[0 -2 5]	(2 0 0)	(1 5 2)	4.748	1.978	2.40	67.2	53.5
[0 -1 3]	(2 0 0)	(0 6 2)	4.748	1.964	2.42	79.7	48.4
[0 1 1]	(2 0 0)	(4 2 -2)	4.748	1.953	2.43	49.8	73.5
[0 2 5]	(2 0 0)	(3 5 -2)	4.748	1.931	2.46	64.2	53.5
[0 -1 2]	(2 0 0)	(2 4 2)	4.748	1.888	2.51	55.3	59.4
[0 3 1]	(2 0 0)	(1 1 -3)	4.748	1.767	2.69	86.9	84.4
[0 1 0]	(2 0 0)	(2 0 -3)	4.748	1.763	2.69	82.4	90.0
[0 -2 -3]	(2 0 0)	(3 -3 2)	4.748	1.732	2.74	45.2	113.9
[0 3 2]	(2 0 0)	(2 2 -3)	4.748	1.730	2.74	82.6	78.9
[0 1 -1]	(2 0 0)	(1 -3 -3)	4.748	1.703	2.79	87.0	106.5
[0 -3 2]	(2 0 0)	(0 2 3)	4.748	1.698	2.80	76.7	78.9
[0 3 -1]	(2 0 0)	(3 -1 -3)	4.748	1.686	2.82	72.3	95.6
[0 1 3]	(2 0 0)	(4 6 -2)	4.748	1.666	2.85	56.6	48.4
[0 3 4]	(2 0 0)	(2 4 -3)	4.748	1.642	2.89	83.0	68.5
[0 -3 1]	(2 0 0)	(1 1 3)	4.748	1.628	2.92	66.9	84.4
[0 -2 5]	(2 0 0)	(3 5 2)	4.748	1.617	2.94	48.9	53.5
[0 -3 4]	(2 0 0)	(0 4 3)	4.748	1.614	2.94	77.3	68.5
[0 3 5]	(2 0 0)	(1 5 -3)	4.748	1.593	2.98	87.2	63.8
[0 1 0]	(2 0 0)	(4 0 -3)	4.748	1.586	2.99	63.1	90.0
[0 -1 -1]	(2 0 0)	(1 -3 3)	4.748	1.577	3.01	67.6	106.5
[0 2 5]	(2 0 0)	(5 5 -2)	4.748	1.567	3.03	46.9	53.5
[0 3 -2]	(2 0 0)	(4 -2 -3)	4.748	1.562	3.04	63.5	101.1
[0 3 5]	(2 0 0)	(3 5 -3)	4.748	1.533	3.10	74.0	63.8
[0 1 -2]	(2 0 0)	(2 -6 -3)	4.748	1.521	3.12	83.5	120.6
[0 1 0]	(2 0 0)	(2 0 3)	4.748	1.514	3.14	58.4	90.0
[0 -1 2]	(2 0 0)	(0 6 3)	4.748	1.499	3.17	78.2	59.4

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[0 3 -4]	(2 0 0)	(4 -4 -3)	4.748	1.496	3.17	64.7	111.5
[0 -3 -2]	(2 0 0)	(2 -2 3)	4.748	1.493	3.18	58.8	101.1
[0 -3 -5]	(2 0 0)	(1 -5 3)	4.748	1.489	3.19	69.0	116.2
[0 3 -7]	(2 0 0)	(1 -7 -3)	4.748	1.462	3.25	87.4	124.6
[0 3 1]	(2 0 0)	(5 1 -3)	4.748	1.456	3.26	55.3	84.4
[0 -3 -4]	(2 0 0)	(2 -4 3)	4.748	1.435	3.31	60.2	111.5
[0 1 1]	(2 0 0)	(5 3 -3)	4.748	1.419	3.35	56.3	73.5
[0 3 7]	(2 0 0)	(3 7 -3)	4.748	1.416	3.35	75.2	55.4
[0 1 2]	(2 0 0)	(4 6 -3)	4.748	1.403	3.38	66.4	59.4
[0 3 8]	(2 0 0)	(2 8 -3)	4.748	1.389	3.42	84.0	51.8
[0 -3 1]	(2 0 0)	(3 1 3)	4.748	1.382	3.44	51.4	84.4
[0 -3 7]	(2 0 0)	(1 7 3)	4.748	1.380	3.44	70.5	55.4
[0 3 8]	(2 0 0)	(0 8 -3)	4.748	1.372	3.46	79.3	51.8
[0 3 -5]	(2 0 0)	(5 -5 -3)	4.748	1.354	3.51	58.1	116.2
[0 -1 2]	(2 0 0)	(2 6 3)	4.748	1.352	3.51	62.1	59.4
[0 1 0]	(2 0 0)	(6 0 -3)	4.748	1.334	3.56	48.6	90.0
[0 1 3]	(2 0 0)	(1 9 -3)	4.748	1.329	3.57	87.7	48.4
[0 3 2]	(2 0 0)	(6 2 -3)	4.748	1.319	3.60	49.1	78.9
[0 3 8]	(2 0 0)	(4 8 -3)	4.748	1.297	3.66	68.3	51.8
[0 -3 5]	(2 0 0)	(3 5 3)	4.748	1.294	3.67	54.2	63.8
[0 1 -3]	(2 0 0)	(3 -9 -3)	4.748	1.294	3.67	76.5	131.6
[0 3 4]	(2 0 0)	(6 4 -3)	4.748	1.279	3.71	50.6	68.5
[0 3 7]	(2 0 0)	(5 7 -3)	4.748	1.271	3.74	60.2	55.4
[0 -1 3]	(2 0 0)	(1 9 3)	4.748	1.267	3.75	72.2	48.4
[0 1 0]	(2 0 0)	(4 0 3)	4.748	1.263	3.76	45.3	90.0
[0 3 10]	(2 0 0)	(2 10 -3)	4.748	1.261	3.76	84.6	45.4
[0 -3 8]	(2 0 0)	(2 8 3)	4.748	1.257	3.78	64.2	51.8
[0 -3 -2]	(2 0 0)	(4 -2 3)	4.748	1.251	3.80	45.8	101.1
[5 1 0]	(1 5 0)	(0 0 1)	3.374	5.186	.65	85.2	102.7
[5 1 6]	(1 5 0)	(1 1 -1)	3.374	4.891	.69	81.4	68.0
[5 -1 4]	(1 5 0)	(1 1 -1)	3.374	4.891	.69	69.0	79.0
[5 1 -2]	(1 5 0)	(0 2 1)	3.374	4.496	.75	66.8	113.6
[5 1 2]	(1 5 0)	(0 2 -1)	3.374	4.496	.75	57.4	90.9
[5 1 -4]	(1 5 0)	(1 -1 1)	3.374	4.052	.83	64.7	122.9
[5 -1 -6]	(1 5 0)	(1 -1 1)	3.374	4.052	.83	89.6	130.6
[5 1 10]	(1 5 0)	(2 0 -1)	3.374	4.001	.84	76.4	50.5
[5 1 8]	(1 5 0)	(1 3 -1)	3.374	3.882	.87	58.6	58.4
[5 1 2]	(1 5 0)	(1 -3 -1)	3.374	3.882	.87	46.7	90.9
[5 -1 8]	(1 5 0)	(2 2 -1)	3.374	3.658	.92	53.6	58.4
[5 -1 -4]	(1 5 0)	(0 4 -1)	3.374	3.404	.99	49.4	122.9
[5 1 10]	(1 5 0)	(1 5 -1)	3.374	2.943	1.15	45.6	50.5
[5 -1 3]	(1 5 0)	(1 -1 -2)	3.374	2.637	1.28	82.9	84.9
[5 -1 2]	(1 5 0)	(1 1 -2)	3.374	2.637	1.28	81.4	90.9
[5 1 5]	(1 5 0)	(2 0 -2)	3.374	2.541	1.33	83.8	73.3

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[5 1 -1]	(1 5 0)	(0 2 2)	3.374	2.492	1.35	79.8	108.3
[5 -1 1]	(1 5 0)	(0 2 2)	3.374	2.492	1.35	70.2	96.9
[5 1 4]	(1 5 0)	(1 3 -2)	3.374	2.437	1.38	68.5	79.0
[5 1 1]	(1 5 0)	(1 -3 -2)	3.374	2.437	1.38	67.0	96.9
[5 -1 -3]	(1 5 0)	(1 -1 2)	3.374	2.344	1.44	87.6	118.4
[5 -1 -2]	(1 5 0)	(1 1 2)	3.374	2.344	1.44	73.5	113.6
[5 1 7]	(1 5 0)	(3 -1 -2)	3.374	2.268	1.49	72.6	63.0
[5 1 8]	(1 5 0)	(3 1 -2)	3.374	2.268	1.49	86.3	58.4
[5 -1 3]	(1 5 0)	(2 4 -2)	3.374	2.214	1.52	56.4	84.9
[5 1 7]	(1 5 0)	(2 4 -2)	3.374	2.214	1.52	68.6	63.0
[5 -1 -1]	(1 5 0)	(1 3 2)	3.374	2.200	1.53	60.3	108.3
[5 -1 -4]	(1 5 0)	(1 -3 2)	3.374	2.200	1.53	79.1	122.9
[5 1 0]	(1 5 0)	(1 -5 -2)	3.374	2.144	1.57	55.5	102.7
[5 1 5]	(1 5 0)	(1 5 -2)	3.374	2.144	1.57	57.0	73.3
[5 1 6]	(1 5 0)	(3 -3 -2)	3.374	2.137	1.58	59.8	68.0
[5 -1 9]	(1 5 0)	(3 -3 -2)	3.374	2.137	1.58	80.7	54.3
[5 -1 -5]	(1 5 0)	(2 0 2)	3.374	2.079	1.62	77.1	126.9
[5 1 -5]	(1 5 0)	(1 5 2)	3.374	1.978	1.71	68.0	126.9
[5 1 0]	(1 5 0)	(1 -5 2)	3.374	1.978	1.71	49.5	102.7
[5 1 -3]	(1 5 0)	(0 6 2)	3.374	1.964	1.72	56.8	118.4
[5 -1 3]	(1 5 0)	(0 6 2)	3.374	1.964	1.72	47.7	84.9
[5 1 9]	(1 5 0)	(4 -2 -2)	3.374	1.953	1.73	64.4	54.3
[5 1 11]	(1 5 0)	(4 2 -2)	3.374	1.953	1.73	88.4	47.1
[5 1 10]	(1 5 0)	(3 5 -2)	3.374	1.931	1.75	69.8	50.5
[5 1 5]	(1 5 0)	(3 -5 -2)	3.374	1.931	1.75	49.1	73.3
[5 1 -3]	(1 5 0)	(2 -4 2)	3.374	1.888	1.79	53.6	118.4
[5 1 -7]	(1 5 0)	(2 4 2)	3.374	1.888	1.79	79.1	133.9
[5 1 -1]	(1 5 0)	(1 -7 -2)	3.374	1.853	1.82	47.0	108.3
[5 -1 6]	(1 5 0)	(1 -7 -2)	3.374	1.853	1.82	48.5	68.0
[5 -1 -7]	(1 5 0)	(3 1 2)	3.374	1.799	1.88	69.3	133.9
[15 -3 4]	(1 5 0)	(1 1 -3)	3.374	1.767	1.91	85.9	94.9
[5 -1 2]	(1 5 0)	(1 -1 -3)	3.374	1.767	1.91	83.6	90.9
[15 -3 10]	(1 5 0)	(2 0 -3)	3.374	1.763	1.91	87.3	82.9
[5 1 -6]	(1 5 0)	(1 7 2)	3.374	1.742	1.94	59.3	130.6
[5 1 -6]	(1 5 0)	(3 -3 2)	3.374	1.732	1.95	58.7	130.6
[15 3 8]	(1 5 0)	(2 -2 -3)	3.374	1.730	1.95	77.0	86.9
[5 1 4]	(1 5 0)	(2 2 -3)	3.374	1.730	1.95	82.3	79.0
[5 -1 11]	(1 5 0)	(3 -7 -2)	3.374	1.711	1.97	61.1	47.1
[15 3 2]	(1 5 0)	(1 -3 -3)	3.374	1.703	1.98	75.8	98.9
[15 -3 8]	(1 5 0)	(1 -3 -3)	3.374	1.703	1.98	73.6	86.9
[15 3 -2]	(1 5 0)	(0 2 3)	3.374	1.698	1.99	84.6	106.5
[15 3 2]	(1 5 0)	(0 2 -3)	3.374	1.698	1.99	75.1	98.9
[5 -1 9]	(1 5 0)	(2 -8 -2)	3.374	1.687	2.00	51.2	54.3
[15 3 14]	(1 5 0)	(3 -1 -3)	3.374	1.686	2.00	78.7	75.2
[15 -3 16]	(1 5 0)	(3 -1 -3)	3.374	1.686	2.00	88.8	71.5

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[5 1 11]	(1 5 0)	(5 -3 -2)	3.374	1.671	2.02	58.8	47.1
[5 1 2]	(1 5 0)	(2 -4 -3)	3.374	1.642	2.05	67.4	90.9
[15 3 14]	(1 5 0)	(2 4 -3)	3.374	1.642	2.05	72.7	75.2
[5 1 -2]	(1 5 0)	(1 1 3)	3.374	1.628	2.07	86.8	113.6
[15 -3 -4]	(1 5 0)	(1 1 3)	3.374	1.628	2.07	77.1	110.1
[5 1 -5]	(1 5 0)	(3 -5 2)	3.374	1.617	2.09	49.3	126.9
[15 3 -4]	(1 5 0)	(0 4 3)	3.374	1.614	2.09	75.1	110.1
[15 3 4]	(1 5 0)	(0 4 -3)	3.374	1.614	2.09	65.6	94.9
[15 3 10]	(1 5 0)	(1 5 -3)	3.374	1.593	2.12	64.5	82.9
[5 1 0]	(1 5 0)	(1 -5 -3)	3.374	1.593	2.12	66.7	102.7
[15 3 20]	(1 5 0)	(4 0 -3)	3.374	1.586	2.13	80.7	64.6
[15 3 -8]	(1 5 0)	(1 3 3)	3.374	1.577	2.14	83.7	116.8
[15 3 -2]	(1 5 0)	(1 -3 3)	3.374	1.577	2.14	67.7	106.5
[5 -1 10]	(1 5 0)	(5 5 -2)	3.374	1.567	2.15	49.6	50.5
[5 -1 6]	(1 5 0)	(4 2 -3)	3.374	1.562	2.16	71.3	68.0
[15 -3 22]	(1 5 0)	(4 -2 -3)	3.374	1.562	2.16	89.8	61.4
[15 -3 20]	(1 5 0)	(3 -5 -3)	3.374	1.533	2.20	72.6	64.6
[15 -3 10]	(1 5 0)	(3 5 -3)	3.374	1.533	2.20	60.3	82.9
[5 -1 -7]	(1 5 0)	(1 -9 2)	3.374	1.529	2.21	52.7	133.9
[15 -3 16]	(1 5 0)	(2 -6 -3)	3.374	1.521	2.22	64.4	71.5
[15 3 4]	(1 5 0)	(2 -6 -3)	3.374	1.521	2.22	59.1	94.9
[15 -3 -10]	(1 5 0)	(2 0 3)	3.374	1.514	2.23	79.3	119.9
[5 -1 -2]	(1 5 0)	(0 6 -3)	3.374	1.499	2.25	66.8	113.6
[5 -1 2]	(1 5 0)	(0 6 3)	3.374	1.499	2.25	57.4	90.9
[15 -3 16]	(1 5 0)	(4 4 -3)	3.374	1.496	2.26	62.5	71.5
[5 -1 8]	(1 5 0)	(4 -4 -3)	3.374	1.496	2.26	80.9	58.4
[15 -3 -8]	(1 5 0)	(2 2 3)	3.374	1.493	2.26	70.2	116.8
[5 -1 -4]	(1 5 0)	(2 -2 3)	3.374	1.493	2.26	88.3	122.9
[5 1 0]	(1 5 0)	(1 5 3)	3.374	1.489	2.27	59.1	102.7
[15 -3 -10]	(1 5 0)	(1 -5 3)	3.374	1.489	2.27	75.1	119.9
[5 -1 4]	(1 5 0)	(1 -7 -3)	3.374	1.462	2.31	56.9	79.0
[15 3 -2]	(1 5 0)	(1 -7 -3)	3.374	1.462	2.31	59.1	106.5
[15 -3 26]	(1 5 0)	(5 -1 -3)	3.374	1.456	2.32	82.7	55.6
[5 -1 8]	(1 5 0)	(5 1 -3)	3.374	1.456	2.32	73.9	58.4
[5 -1 -2]	(1 5 0)	(2 4 3)	3.374	1.435	2.35	61.7	113.6
[15 -3 -14]	(1 5 0)	(2 -4 3)	3.374	1.435	2.35	83.1	125.6
[15 -3 28]	(1 5 0)	(5 -3 -3)	3.374	1.419	2.38	88.7	53.0
[15 -3 22]	(1 5 0)	(5 3 -3)	3.374	1.419	2.38	65.3	61.4
[15 -3 22]	(1 5 0)	(3 -7 -3)	3.374	1.416	2.38	65.0	61.4
[15 -3 8]	(1 5 0)	(3 7 -3)	3.374	1.416	2.38	52.9	86.9
[15 -3 26]	(1 5 0)	(4 -6 -3)	3.374	1.403	2.41	72.9	55.6
[15 -3 14]	(1 5 0)	(4 6 -3)	3.374	1.403	2.41	54.7	75.2
[5 -1 -7]	(1 5 0)	(4 6 2)	3.374	1.396	2.42	46.5	133.9
[5 1 6]	(1 5 0)	(2 8 -3)	3.374	1.389	2.43	57.4	68.0
[15 3 2]	(1 5 0)	(2 -8 -3)	3.374	1.389	2.43	52.2	98.9

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[15 3 -16]	(1 5 0)	(3 1 3)	3.374	1.382	2.44	81.4	128.2
[15 -3 -14]	(1 5 0)	(3 1 3)	3.374	1.382	2.44	72.9	125.6
[5 1 -4]	(1 5 0)	(1 7 3)	3.374	1.380	2.44	67.5	122.9
[15 -3 2]	(1 5 0)	(1 7 3)	3.374	1.380	2.44	51.8	98.9
[15 3 -8]	(1 5 0)	(0 8 3)	3.374	1.372	2.46	59.9	116.8
[15 3 8]	(1 5 0)	(0 8 -3)	3.374	1.372	2.46	50.6	86.9
[15 3 20]	(1 5 0)	(5 -5 -3)	3.374	1.354	2.49	57.4	64.6
[5 -1 10]	(1 5 0)	(5 -5 -3)	3.374	1.354	2.49	80.6	50.5
[15 3 -16]	(1 5 0)	(2 6 3)	3.374	1.352	2.50	75.3	128.2
[15 -3 -4]	(1 5 0)	(2 6 3)	3.374	1.352	2.50	54.1	110.1
[5 1 10]	(1 5 0)	(6 0 -3)	3.374	1.334	2.53	76.4	50.5
[15 3 -4]	(1 5 0)	(1 -9 -3)	3.374	1.329	2.54	52.8	110.1
[15 3 14]	(1 5 0)	(1 9 -3)	3.374	1.329	2.54	50.6	75.2
[15 3 28]	(1 5 0)	(6 -2 -3)	3.374	1.319	2.56	68.3	53.0
[15 3 32]	(1 5 0)	(6 2 -3)	3.374	1.319	2.56	84.5	48.2
[5 1 4]	(1 5 0)	(4 -8 -3)	3.374	1.297	2.60	48.0	79.0
[15 3 28]	(1 5 0)	(4 8 -3)	3.374	1.297	2.60	66.0	53.0
[15 3 -10]	(1 5 0)	(3 -5 3)	3.374	1.294	2.61	57.1	119.9
[15 3 -20]	(1 5 0)	(3 5 3)	3.374	1.294	2.61	82.7	132.8
[5 1 2]	(1 5 0)	(3 -9 -3)	3.374	1.294	2.61	46.7	90.9
[5 -1 8]	(1 5 0)	(3 -9 -3)	3.374	1.294	2.61	58.6	58.4
[15 3 26]	(1 5 0)	(6 -4 -3)	3.374	1.279	2.64	60.6	55.6
[15 3 34]	(1 5 0)	(6 4 -3)	3.374	1.279	2.64	87.7	46.0
[5 1 6]	(1 5 0)	(5 -7 -3)	3.374	1.271	2.66	50.4	68.0
[15 3 32]	(1 5 0)	(5 7 -3)	3.374	1.271	2.66	73.5	48.2
[15 3 4]	(1 5 0)	(1 -9 3)	3.374	1.267	2.66	45.6	94.9
[15 3 -14]	(1 5 0)	(1 9 3)	3.374	1.267	2.66	61.2	125.6
[15 3 -20]	(1 5 0)	(4 0 3)	3.374	1.263	2.67	75.5	132.8
[5 1 0]	(1 5 0)	(2 -10 -3)	3.374	1.261	2.68	46.6	102.7
[15 3 20]	(1 5 0)	(2 10 -3)	3.374	1.261	2.68	51.7	64.6
[15 3 -2]	(1 5 0)	(2 -8 3)	3.374	1.257	2.68	47.5	106.5
[5 1 -6]	(1 5 0)	(2 8 3)	3.374	1.257	2.68	68.5	130.6
[15 3 -22]	(1 5 0)	(4 2 3)	3.374	1.251	2.70	83.2	134.9
[5 -1 -6]	(1 5 0)	(4 2 3)	3.374	1.251	2.70	67.8	130.6
[2 1 0]	(2 4 0)	(0 0 1)	3.271	5.186	.63	80.7	99.9
[2 1 3]	(2 4 0)	(1 1 -1)	3.271	4.891	.67	89.7	66.5
[2 -1 1]	(2 4 0)	(1 1 -1)	3.271	4.891	.67	66.5	88.4
[2 1 -2]	(2 4 0)	(0 2 1)	3.271	4.496	.73	77.2	120.2
[2 1 2]	(2 4 0)	(0 2 -1)	3.271	4.496	.73	59.9	76.9
[2 1 -1]	(2 4 0)	(1 -1 1)	3.271	4.052	.81	54.3	110.7
[2 -1 -3]	(2 4 0)	(1 -1 1)	3.271	4.052	.81	75.1	128.2
[2 1 4]	(2 4 0)	(2 0 -1)	3.271	4.001	.82	62.9	57.4
[2 1 5]	(2 4 0)	(1 3 -1)	3.271	3.882	.84	72.1	49.9
[2 1 -1]	(2 4 0)	(1 -3 -1)	3.271	3.882	.84	51.1	110.7

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[2 -1 -4]	(2 4 0)	(0 4 -1)	3.271	3.404	.96	63.9	134.7
[2 -1 4]	(2 4 0)	(0 4 1)	3.271	3.404	.96	49.2	57.4
[2 -1 -4]	(2 4 0)	(2 0 1)	3.271	3.152	1.04	56.2	134.7
[2 1 5]	(2 4 0)	(3 -1 -1)	3.271	2.996	1.09	47.3	49.9
[4 -2 3]	(2 4 0)	(1 -1 -2)	3.271	2.637	1.24	85.5	82.6
[4 -2 1]	(2 4 0)	(1 1 -2)	3.271	2.637	1.24	82.4	94.2
[2 1 2]	(2 4 0)	(2 0 -2)	3.271	2.541	1.29	77.9	76.9
[2 1 -1]	(2 4 0)	(0 2 2)	3.271	2.492	1.31	87.4	110.7
[2 -1 1]	(2 4 0)	(0 2 2)	3.271	2.492	1.31	69.2	88.4
[4 2 5]	(2 4 0)	(1 3 -2)	3.271	2.437	1.34	74.4	71.5
[4 2 -1]	(2 4 0)	(1 -3 -2)	3.271	2.437	1.34	71.4	105.5
[4 -2 -3]	(2 4 0)	(1 -1 2)	3.271	2.344	1.40	77.2	115.7
[4 -2 -1]	(2 4 0)	(1 1 2)	3.271	2.344	1.40	65.8	105.5
[4 2 5]	(2 4 0)	(3 -1 -2)	3.271	2.268	1.44	63.7	71.5
[4 2 7]	(2 4 0)	(3 1 -2)	3.271	2.268	1.44	74.9	61.7
[2 1 0]	(2 4 0)	(2 4 -2)	3.271	2.214	1.48	57.4	99.9
[2 1 4]	(2 4 0)	(2 4 -2)	3.271	2.214	1.48	80.1	57.4
[4 -2 1]	(2 4 0)	(1 3 2)	3.271	2.200	1.49	55.8	94.2
[4 -2 -5]	(2 4 0)	(1 -3 2)	3.271	2.200	1.49	88.2	124.4
[4 2 -3]	(2 4 0)	(1 -5 -2)	3.271	2.144	1.53	63.1	115.7
[4 2 7]	(2 4 0)	(1 5 -2)	3.271	2.144	1.53	65.9	61.7
[4 2 3]	(2 4 0)	(3 -3 -2)	3.271	2.137	1.53	53.9	82.6
[4 -2 9]	(2 4 0)	(3 -3 -2)	3.271	2.137	1.53	85.7	53.5
[2 -1 -2]	(2 4 0)	(2 0 2)	3.271	2.079	1.57	64.4	120.2
[4 2 -7]	(2 4 0)	(1 5 2)	3.271	1.978	1.65	82.5	131.6
[4 2 3]	(2 4 0)	(1 -5 2)	3.271	1.978	1.65	48.4	82.6
[2 1 -3]	(2 4 0)	(0 6 2)	3.271	1.964	1.67	69.5	128.2
[2 -1 3]	(2 4 0)	(0 6 2)	3.271	1.964	1.67	53.4	66.5
[2 1 3]	(2 4 0)	(4 -2 -2)	3.271	1.953	1.67	53.0	66.5
[2 1 5]	(2 4 0)	(4 2 -2)	3.271	1.953	1.67	73.3	49.9
[4 2 11]	(2 4 0)	(3 5 -2)	3.271	1.931	1.69	84.9	46.6
[4 2 1]	(2 4 0)	(3 -5 -2)	3.271	1.931	1.69	46.6	94.2
[2 1 0]	(2 4 0)	(2 -4 2)	3.271	1.888	1.73	45.9	99.9
[2 1 -4]	(2 4 0)	(2 4 2)	3.271	1.888	1.73	84.9	134.7
[4 2 -5]	(2 4 0)	(1 -7 -2)	3.271	1.853	1.76	57.3	124.4
[4 -2 9]	(2 4 0)	(1 -7 -2)	3.271	1.853	1.76	59.9	53.5
[4 -2 -5]	(2 4 0)	(3 1 2)	3.271	1.799	1.82	54.8	124.4
[4 2 -7]	(2 4 0)	(3 1 2)	3.271	1.799	1.82	64.4	131.6
[6 -3 1]	(2 4 0)	(1 1 -3)	3.271	1.767	1.85	88.1	96.1
[2 -1 1]	(2 4 0)	(1 -1 -3)	3.271	1.767	1.85	83.8	88.4
[6 -3 4]	(2 4 0)	(2 0 -3)	3.271	1.763	1.86	84.8	84.5
[4 2 -3]	(2 4 0)	(3 -3 2)	3.271	1.732	1.89	46.1	115.7
[4 -2 9]	(2 4 0)	(5 1 -2)	3.271	1.731	1.89	53.9	53.5
[4 2 11]	(2 4 0)	(5 1 -2)	3.271	1.731	1.89	63.2	46.6
[6 3 2]	(2 4 0)	(2 -2 -3)	3.271	1.730	1.89	76.8	92.3

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[2 1 2]	(2 4 0)	(2 2 -3)	3.271	1.730	1.89	87.1	76.9
[6 3 -1]	(2 4 0)	(1 -3 -3)	3.271	1.703	1.92	80.3	103.7
[6 -3 5]	(2 4 0)	(1 -3 -3)	3.271	1.703	1.92	76.0	80.7
[6 3 -2]	(2 4 0)	(0 2 3)	3.271	1.698	1.93	88.7	107.3
[6 3 2]	(2 4 0)	(0 2 -3)	3.271	1.698	1.93	72.8	92.3
[2 1 -2]	(2 4 0)	(2 -8 -2)	3.271	1.687	1.94	47.0	120.2
[6 3 5]	(2 4 0)	(3 -1 -3)	3.271	1.686	1.94	73.9	80.7
[6 -3 7]	(2 4 0)	(3 -1 -3)	3.271	1.686	1.94	81.9	73.3
[4 2 7]	(2 4 0)	(5 -3 -2)	3.271	1.671	1.96	45.3	61.7
[2 1 0]	(2 4 0)	(2 -4 -3)	3.271	1.642	1.99	69.6	99.9
[6 3 8]	(2 4 0)	(2 4 -3)	3.271	1.642	1.99	79.7	69.8
[2 1 -1]	(2 4 0)	(1 1 3)	3.271	1.628	2.01	78.2	110.7
[6 -3 -1]	(2 4 0)	(1 1 3)	3.271	1.628	2.01	70.4	103.7
[6 3 -4]	(2 4 0)	(0 4 3)	3.271	1.614	2.03	83.8	114.1
[6 3 4]	(2 4 0)	(0 4 -3)	3.271	1.614	2.03	65.8	84.5
[4 2 -7]	(2 4 0)	(1 -9 -2)	3.271	1.602	2.04	53.5	131.6
[4 2 11]	(2 4 0)	(1 9 -2)	3.271	1.602	2.04	55.7	46.6
[6 3 7]	(2 4 0)	(1 5 -3)	3.271	1.593	2.05	69.3	73.3
[2 1 -1]	(2 4 0)	(1 -5 -3)	3.271	1.593	2.05	73.4	110.7
[6 3 8]	(2 4 0)	(4 0 -3)	3.271	1.586	2.06	71.8	69.8
[6 3 -5]	(2 4 0)	(1 3 3)	3.271	1.577	2.07	85.9	117.2
[6 3 1]	(2 4 0)	(1 -3 3)	3.271	1.577	2.07	63.1	96.1
[2 -1 2]	(2 4 0)	(4 2 -3)	3.271	1.562	2.09	64.4	76.9
[6 -3 10]	(2 4 0)	(4 -2 -3)	3.271	1.562	2.09	79.5	63.3
[2 -1 -3]	(2 4 0)	(4 2 2)	3.271	1.553	2.11	47.8	128.2
[6 -3 11]	(2 4 0)	(3 -5 -3)	3.271	1.533	2.13	83.2	60.3
[6 -3 1]	(2 4 0)	(3 5 -3)	3.271	1.533	2.13	60.1	96.1
[6 -3 10]	(2 4 0)	(2 -6 -3)	3.271	1.521	2.15	73.2	63.3
[6 3 -2]	(2 4 0)	(2 -6 -3)	3.271	1.521	2.15	63.6	107.3
[6 -3 -4]	(2 4 0)	(2 0 3)	3.271	1.514	2.16	68.8	114.1
[2 -1 -2]	(2 4 0)	(0 6 -3)	3.271	1.499	2.18	77.2	120.2
[2 -1 2]	(2 4 0)	(0 6 3)	3.271	1.499	2.18	59.9	76.9
[6 -3 4]	(2 4 0)	(4 4 -3)	3.271	1.496	2.19	57.7	84.5
[2 -1 4]	(2 4 0)	(4 -4 -3)	3.271	1.496	2.19	86.9	57.4
[6 -3 -2]	(2 4 0)	(2 2 3)	3.271	1.493	2.19	61.6	107.3
[2 -1 -2]	(2 4 0)	(2 -2 3)	3.271	1.493	2.19	76.3	120.2
[2 -1 1]	(2 4 0)	(1 5 3)	3.271	1.489	2.20	56.9	88.4
[6 -3 -7]	(2 4 0)	(1 -5 3)	3.271	1.489	2.20	87.0	123.0
[2 -1 5]	(2 4 0)	(0 10 2)	3.271	1.481	2.21	46.6	49.9
[2 -1 3]	(2 4 0)	(1 -7 -3)	3.271	1.462	2.24	63.8	66.5
[6 3 -5]	(2 4 0)	(1 -7 -3)	3.271	1.462	2.24	67.6	117.2
[6 -3 11]	(2 4 0)	(5 -1 -3)	3.271	1.456	2.25	70.5	60.3
[2 -1 3]	(2 4 0)	(5 1 -3)	3.271	1.456	2.25	63.2	66.5
[2 1 0]	(2 4 0)	(2 4 3)	3.271	1.435	2.28	55.0	99.9
[6 -3 -8]	(2 4 0)	(2 -4 3)	3.271	1.435	2.28	83.6	125.7

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[6 -3 13]	(2 4 0)	(5 -3 -3)	3.271	1.419	2.30	77.8	54.7
[6 -3 7]	(2 4 0)	(5 3 -3)	3.271	1.419	2.30	56.4	73.3
[6 -3 13]	(2 4 0)	(3 -7 -3)	3.271	1.416	2.31	77.1	54.7
[6 -3 -1]	(2 4 0)	(3 7 -3)	3.271	1.416	2.31	55.0	103.7
[6 -3 14]	(2 4 0)	(4 -6 -3)	3.271	1.403	2.33	86.4	52.2
[6 -3 2]	(2 4 0)	(4 6 -3)	3.271	1.403	2.33	52.1	92.3
[2 1 4]	(2 4 0)	(2 8 -3)	3.271	1.389	2.35	68.0	57.4
[6 3 -4]	(2 4 0)	(2 -8 -3)	3.271	1.389	2.35	58.8	114.1
[6 3 -7]	(2 4 0)	(3 1 3)	3.271	1.382	2.37	68.0	123.0
[6 -3 -5]	(2 4 0)	(3 1 3)	3.271	1.382	2.37	60.9	117.2
[2 1 -3]	(2 4 0)	(1 7 3)	3.271	1.380	2.37	80.9	128.2
[6 -3 5]	(2 4 0)	(1 7 3)	3.271	1.380	2.37	51.9	80.7
[6 3 -8]	(2 4 0)	(0 8 3)	3.271	1.372	2.38	71.8	125.7
[6 3 8]	(2 4 0)	(0 8 -3)	3.271	1.372	2.38	55.3	69.8
[6 3 5]	(2 4 0)	(5 -5 -3)	3.271	1.354	2.42	50.5	80.7
[2 -1 5]	(2 4 0)	(5 -5 -3)	3.271	1.354	2.42	84.7	49.9
[6 3 -10]	(2 4 0)	(2 6 3)	3.271	1.352	2.42	89.8	130.5
[6 -3 2]	(2 4 0)	(2 6 3)	3.271	1.352	2.42	49.6	92.3
[2 1 4]	(2 4 0)	(6 0 -3)	3.271	1.334	2.45	62.9	57.4
[6 3 -7]	(2 4 0)	(1 -9 -3)	3.271	1.329	2.46	63.1	123.0
[6 3 11]	(2 4 0)	(1 9 -3)	3.271	1.329	2.46	59.4	60.3
[6 3 10]	(2 4 0)	(6 -2 -3)	3.271	1.319	2.48	56.2	63.3
[6 3 14]	(2 4 0)	(6 2 -3)	3.271	1.319	2.48	69.8	52.2
[2 1 0]	(2 4 0)	(4 -8 -3)	3.271	1.297	2.52	47.8	99.9
[6 3 16]	(2 4 0)	(4 8 -3)	3.271	1.297	2.52	80.7	47.7
[6 3 -1]	(2 4 0)	(3 -5 3)	3.271	1.294	2.53	48.5	103.7
[6 3 -11]	(2 4 0)	(3 5 3)	3.271	1.294	2.53	81.8	132.7
[2 1 -1]	(2 4 0)	(3 -9 -3)	3.271	1.294	2.53	51.1	110.7
[2 -1 5]	(2 4 0)	(3 -9 -3)	3.271	1.294	2.53	72.1	49.9
[6 3 8]	(2 4 0)	(6 -4 -3)	3.271	1.279	2.56	50.0	69.8
[6 3 16]	(2 4 0)	(6 4 -3)	3.271	1.279	2.56	76.6	47.7
[2 1 1]	(2 4 0)	(5 -7 -3)	3.271	1.271	2.57	45.6	88.4
[6 3 17]	(2 4 0)	(5 7 -3)	3.271	1.271	2.57	89.1	45.6
[6 3 7]	(2 4 0)	(1 -9 3)	3.271	1.267	2.58	48.1	73.3
[6 3 -11]	(2 4 0)	(1 9 3)	3.271	1.267	2.58	75.7	132.7
[6 3 -8]	(2 4 0)	(4 0 3)	3.271	1.263	2.59	61.0	125.7
[2 1 -2]	(2 4 0)	(2 -10 -3)	3.271	1.261	2.59	55.2	120.2
[6 3 14]	(2 4 0)	(2 10 -3)	3.271	1.261	2.59	63.8	52.2
[6 3 4]	(2 4 0)	(2 -8 3)	3.271	1.257	2.60	45.2	84.5
[2 1 -4]	(2 4 0)	(2 8 3)	3.271	1.257	2.60	84.0	134.7
[6 3 -10]	(2 4 0)	(4 2 3)	3.271	1.251	2.61	67.7	130.5
[2 -1 -2]	(2 4 0)	(4 2 3)	3.271	1.251	2.61	54.5	120.2
[1 3 0]	(3 1 0)	(0 0 1)	3.118	5.186	.60	76.6	92.4
[1 3 4]	(3 1 0)	(1 1 -1)	3.118	4.891	.64	76.0	70.9

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[1 -3 -2]	(3 1 0)	(1 1 -1)	3.118	4.891	.64	70.4	103.3
[1 3 -6]	(3 1 0)	(0 2 1)	3.118	4.496	.69	83.4	122.0
[1 3 6]	(3 1 0)	(0 2 -1)	3.118	4.496	.69	73.3	61.6
[1 3 2]	(3 1 0)	(1 -1 1)	3.118	4.052	.77	50.2	81.3
[1 -3 -4]	(3 1 0)	(1 -1 1)	3.118	4.052	.77	55.8	113.3
[1 3 2]	(3 1 0)	(2 0 -1)	3.118	4.001	.78	49.3	81.3
[1 3 10]	(3 1 0)	(1 3 -1)	3.118	3.882	.80	83.2	47.1
[1 3 -8]	(3 1 0)	(1 -3 -1)	3.118	3.882	.80	70.1	129.3
[1 -3 -4]	(3 1 0)	(2 2 -1)	3.118	3.658	.85	48.3	113.3
[1 -3 8]	(3 1 0)	(2 -2 -1)	3.118	3.658	.85	58.3	53.7
[1 3 8]	(3 1 0)	(1 -3 1)	3.118	3.421	.91	52.7	53.7
[1 3 -8]	(3 1 0)	(2 2 1)	3.118	2.976	1.05	46.1	129.3
[1 -3 2]	(3 1 0)	(1 -1 -2)	3.118	2.637	1.18	89.3	81.3
[1 -3 -1]	(3 1 0)	(1 1 -2)	3.118	2.637	1.18	86.4	97.9
[1 3 1]	(3 1 0)	(2 0 -2)	3.118	2.541	1.23	72.5	86.8
[1 3 -3]	(3 1 0)	(0 2 2)	3.118	2.492	1.25	79.9	108.4
[1 -3 3]	(3 1 0)	(0 2 2)	3.118	2.492	1.25	74.3	76.0
[1 3 5]	(3 1 0)	(1 3 -2)	3.118	2.437	1.28	88.0	66.1
[1 3 -4]	(3 1 0)	(1 -3 -2)	3.118	2.437	1.28	84.0	113.3
[1 -3 -2]	(3 1 0)	(1 -1 2)	3.118	2.344	1.33	64.5	103.3
[1 -3 1]	(3 1 0)	(1 1 2)	3.118	2.344	1.33	61.7	86.8
[1 3 0]	(3 1 0)	(3 -1 -2)	3.118	2.268	1.37	58.3	92.4
[1 3 3]	(3 1 0)	(3 1 -2)	3.118	2.268	1.37	61.2	76.0
[1 -3 -5]	(3 1 0)	(2 4 -2)	3.118	2.214	1.41	69.7	117.8
[1 3 7]	(3 1 0)	(2 4 -2)	3.118	2.214	1.41	79.8	57.5
[1 -3 4]	(3 1 0)	(1 3 2)	3.118	2.200	1.42	60.8	70.9
[1 -3 -5]	(3 1 0)	(1 -3 2)	3.118	2.200	1.42	68.8	117.8
[1 3 -7]	(3 1 0)	(1 -5 -2)	3.118	2.144	1.45	82.3	125.8
[1 3 8]	(3 1 0)	(1 5 -2)	3.118	2.144	1.45	85.9	53.7
[1 3 -3]	(3 1 0)	(3 -3 -2)	3.118	2.137	1.46	57.6	108.4
[1 -3 6]	(3 1 0)	(3 -3 -2)	3.118	2.137	1.46	65.6	61.6
[1 -3 -1]	(3 1 0)	(2 0 2)	3.118	2.079	1.50	51.9	97.9
[1 3 -8]	(3 1 0)	(1 5 2)	3.118	1.978	1.58	73.3	129.3
[1 3 7]	(3 1 0)	(1 -5 2)	3.118	1.978	1.58	61.6	57.5
[1 3 -9]	(3 1 0)	(0 6 2)	3.118	1.964	1.59	86.4	132.5
[1 -3 9]	(3 1 0)	(0 6 2)	3.118	1.964	1.59	73.3	50.2
[1 3 -1]	(3 1 0)	(4 -2 -2)	3.118	1.953	1.60	47.7	97.9
[1 3 5]	(3 1 0)	(4 2 -2)	3.118	1.953	1.60	53.2	66.1
[1 3 9]	(3 1 0)	(3 5 -2)	3.118	1.931	1.61	70.4	50.2
[1 3 -6]	(3 1 0)	(3 -5 -2)	3.118	1.931	1.61	58.6	122.0
[1 3 5]	(3 1 0)	(2 -4 2)	3.118	1.888	1.65	50.8	66.1
[1 3 -7]	(3 1 0)	(2 4 2)	3.118	1.888	1.65	60.8	125.8
[1 3 -3]	(3 1 0)	(3 1 2)	3.118	1.799	1.73	45.3	108.4
[3 -9 -2]	(3 1 0)	(1 1 -3)	3.118	1.767	1.76	87.9	96.1
[3 -9 4]	(3 1 0)	(1 -1 -3)	3.118	1.767	1.76	86.0	85.0

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 -9 2]	(3 1 0)	(2 0 -3)	3.118	1.763	1.77	82.5	88.7
[1 -3 10]	(3 1 0)	(1 7 2)	3.118	1.742	1.79	63.1	47.1
[1 -3 -6]	(3 1 0)	(3 -3 2)	3.118	1.732	1.80	49.9	122.0
[3 9 -4]	(3 1 0)	(2 -2 -3)	3.118	1.730	1.80	80.8	99.7
[3 9 8]	(3 1 0)	(2 2 -3)	3.118	1.730	1.80	84.6	77.8
[1 3 -9]	(3 1 0)	(3 -7 -2)	3.118	1.711	1.82	60.4	132.5
[3 9 -8]	(3 1 0)	(1 -3 -3)	3.118	1.703	1.83	89.9	106.7
[3 -9 10]	(3 1 0)	(1 -3 -3)	3.118	1.703	1.83	84.2	74.3
[1 3 -2]	(3 1 0)	(0 2 3)	3.118	1.698	1.84	78.8	103.3
[1 3 2]	(3 1 0)	(0 2 -3)	3.118	1.698	1.84	74.9	81.3
[1 3 0]	(3 1 0)	(3 -1 -3)	3.118	1.686	1.85	71.6	92.4
[1 -3 2]	(3 1 0)	(3 -1 -3)	3.118	1.686	1.85	73.6	81.3
[1 3 7]	(3 1 0)	(5 3 -2)	3.118	1.671	1.87	48.0	57.5
[1 3 -7]	(3 1 0)	(4 -6 -2)	3.118	1.666	1.87	50.3	125.8
[3 9 -10]	(3 1 0)	(2 -4 -3)	3.118	1.642	1.90	79.4	110.1
[3 9 14]	(3 1 0)	(2 4 -3)	3.118	1.642	1.90	86.7	67.6
[3 9 -4]	(3 1 0)	(1 1 3)	3.118	1.628	1.92	68.2	99.7
[3 -9 2]	(3 1 0)	(1 1 3)	3.118	1.628	1.92	66.3	88.7
[1 3 -9]	(3 1 0)	(3 5 2)	3.118	1.617	1.93	55.2	132.5
[1 3 -4]	(3 1 0)	(0 4 3)	3.118	1.614	1.93	81.1	113.3
[1 3 4]	(3 1 0)	(0 4 -3)	3.118	1.614	1.93	73.9	70.9
[3 9 16]	(3 1 0)	(1 5 -3)	3.118	1.593	1.96	82.9	64.6
[3 9 -14]	(3 1 0)	(1 -5 -3)	3.118	1.593	1.96	88.4	116.3
[3 9 4]	(3 1 0)	(4 0 -3)	3.118	1.586	1.97	63.5	85.0
[3 9 -10]	(3 1 0)	(1 3 3)	3.118	1.577	1.98	70.8	110.1
[3 9 8]	(3 1 0)	(1 -3 3)	3.118	1.577	1.98	65.2	77.8
[1 3 10]	(3 1 0)	(5 5 -2)	3.118	1.567	1.99	53.3	47.1
[3 -9 -2]	(3 1 0)	(4 2 -3)	3.118	1.562	2.00	62.0	96.1
[3 -9 10]	(3 1 0)	(4 -2 -3)	3.118	1.562	2.00	65.9	74.3
[1 -3 6]	(3 1 0)	(3 -5 -3)	3.118	1.533	2.03	78.6	61.6
[1 -3 -4]	(3 1 0)	(3 5 -3)	3.118	1.533	2.03	69.8	113.3
[3 -9 20]	(3 1 0)	(2 -6 -3)	3.118	1.521	2.05	88.6	58.8
[3 9 -16]	(3 1 0)	(2 -6 -3)	3.118	1.521	2.05	78.5	119.2
[3 -9 -2]	(3 1 0)	(2 0 3)	3.118	1.514	2.06	58.9	96.1
[1 -3 -6]	(3 1 0)	(0 6 -3)	3.118	1.499	2.08	83.4	122.0
[1 -3 6]	(3 1 0)	(0 6 3)	3.118	1.499	2.08	73.3	61.6
[3 -9 -8]	(3 1 0)	(4 4 -3)	3.118	1.496	2.08	61.5	106.7
[3 -9 16]	(3 1 0)	(4 -4 -3)	3.118	1.496	2.08	68.7	64.6
[3 -9 4]	(3 1 0)	(2 2 3)	3.118	1.493	2.09	57.4	85.0
[3 -9 -8]	(3 1 0)	(2 -2 3)	3.118	1.493	2.09	61.2	106.7
[3 -9 14]	(3 1 0)	(1 5 3)	3.118	1.489	2.09	64.8	67.6
[3 -9 -16]	(3 1 0)	(1 -5 3)	3.118	1.489	2.09	73.6	119.2
[1 -3 9]	(3 1 0)	(3 7 2)	3.118	1.480	2.11	46.2	50.2
[3 -9 22]	(3 1 0)	(1 -7 -3)	3.118	1.462	2.13	81.8	56.2
[3 9 -20]	(3 1 0)	(1 -7 -3)	3.118	1.462	2.13	86.9	124.6

(JCPDS 19-1601: a 9.769Å b 18.048Å c 5.335Å α 90° β 103.59° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 -9 8]	(3 1 0)	(5 -1 -3)	3.118	1.456	2.14	56.9	77.8
[3 -9 2]	(3 1 0)	(5 1 -3)	3.118	1.456	2.14	55.0	88.7
[3 -9 10]	(3 1 0)	(2 4 3)	3.118	1.435	2.17	57.0	74.3
[3 -9 -14]	(3 1 0)	(2 -4 3)	3.118	1.435	2.17	64.2	116.3
[3 -9 14]	(3 1 0)	(5 -3 -3)	3.118	1.419	2.20	59.6	67.6
[3 -9 -4]	(3 1 0)	(5 3 -3)	3.118	1.419	2.20	54.1	99.7
[1 -3 8]	(3 1 0)	(3 -7 -3)	3.118	1.416	2.20	81.0	53.7
[1 -3 -6]	(3 1 0)	(3 7 -3)	3.118	1.416	2.20	69.8	122.0
[3 -9 22]	(3 1 0)	(4 -6 -3)	3.118	1.403	2.22	71.7	56.2
[3 -9 -14]	(3 1 0)	(4 6 -3)	3.118	1.403	2.22	61.7	116.3
[3 9 26]	(3 1 0)	(2 8 -3)	3.118	1.389	2.24	89.8	51.4
[3 9 -22]	(3 1 0)	(2 -8 -3)	3.118	1.389	2.24	78.0	127.0
[1 3 -2]	(3 1 0)	(3 1 3)	3.118	1.382	2.26	53.0	103.3
[1 3 0]	(3 1 0)	(3 1 3)	3.118	1.382	2.26	51.1	92.4
[3 9 -22]	(3 1 0)	(1 7 3)	3.118	1.380	2.26	76.4	127.0
[3 -9 20]	(3 1 0)	(1 7 3)	3.118	1.380	2.26	65.1	58.8
[1 3 -8]	(3 1 0)	(0 8 3)	3.118	1.372	2.27	85.5	129.3
[1 3 8]	(3 1 0)	(0 8 -3)	3.118	1.372	2.27	73.2	53.7
[3 9 -10]	(3 1 0)	(5 -5 -3)	3.118	1.354	2.30	54.1	110.1
[3 -9 20]	(3 1 0)	(5 -5 -3)	3.118	1.354	2.30	62.9	58.8
[3 9 -20]	(3 1 0)	(2 6 3)	3.118	1.352	2.31	67.4	124.6
[3 -9 16]	(3 1 0)	(2 6 3)	3.118	1.352	2.31	57.4	64.6
[1 3 2]	(3 1 0)	(6 0 -3)	3.118	1.334	2.34	49.3	81.3
[3 9 -26]	(3 1 0)	(1 -9 -3)	3.118	1.329	2.35	85.7	131.4
[3 9 28]	(3 1 0)	(1 9 -3)	3.118	1.329	2.35	81.1	49.2
[1 3 0]	(3 1 0)	(6 -2 -3)	3.118	1.319	2.36	48.0	92.4
[1 3 4]	(3 1 0)	(6 2 -3)	3.118	1.319	2.36	51.7	70.9
[3 9 -20]	(3 1 0)	(4 -8 -3)	3.118	1.297	2.40	62.4	124.6
[3 9 28]	(3 1 0)	(4 8 -3)	3.118	1.297	2.40	74.6	49.2
[1 3 4]	(3 1 0)	(3 -5 3)	3.118	1.294	2.41	50.4	70.9
[1 3 -6]	(3 1 0)	(3 5 3)	3.118	1.294	2.41	59.1	122.0
[1 3 -8]	(3 1 0)	(3 -9 -3)	3.118	1.294	2.41	70.1	129.3
[1 -3 10]	(3 1 0)	(3 -9 -3)	3.118	1.294	2.41	83.2	47.1
[1 3 -2]	(3 1 0)	(6 -4 -3)	3.118	1.279	2.44	47.6	103.3
[1 3 6]	(3 1 0)	(6 4 -3)	3.118	1.279	2.44	54.8	61.6
[3 9 -16]	(3 1 0)	(5 -7 -3)	3.118	1.271	2.45	55.0	119.2
[3 9 26]	(3 1 0)	(5 7 -3)	3.118	1.271	2.45	66.2	51.4
[3 9 26]	(3 1 0)	(1 -9 3)	3.118	1.267	2.46	65.8	51.4
[3 9 -28]	(3 1 0)	(1 9 3)	3.118	1.267	2.46	78.9	133.5
[3 9 -4]	(3 1 0)	(4 0 3)	3.118	1.263	2.47	46.1	99.7
[3 9 -28]	(3 1 0)	(2 -10 -3)	3.118	1.261	2.47	77.7	133.5
[3 9 32]	(3 1 0)	(2 10 -3)	3.118	1.261	2.47	88.4	45.2
[3 9 22]	(3 1 0)	(2 -8 3)	3.118	1.257	2.48	58.3	56.2
[3 9 -26]	(3 1 0)	(2 8 3)	3.118	1.257	2.48	70.6	131.4
[3 9 -10]	(3 1 0)	(4 2 3)	3.118	1.251	2.49	48.5	110.1

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[1 0 0]	(0 2 0)	(0 0 1)	9.010	5.092	1.77	90.0	105.0
[1 0 1]	(0 2 0)	(1 1 -1)	9.010	4.876	1.85	74.3	74.0
[1 0 0]	(0 2 0)	(0 2 -1)	9.010	4.433	2.03	60.5	105.0
[1 0 2]	(0 2 0)	(2 0 -1)	9.010	4.032	2.23	90.0	49.9
[1 0 -1]	(0 2 0)	(1 -1 1)	9.010	3.972	2.27	77.3	129.4
[1 0 1]	(0 2 0)	(1 -3 -1)	9.010	3.872	2.33	49.9	74.0
[1 0 2]	(0 2 0)	(2 -2 -1)	9.010	3.680	2.45	65.9	49.9
[1 0 -1]	(0 2 0)	(1 3 1)	9.010	3.371	2.67	55.9	129.4
[1 0 2]	(0 2 0)	(2 -4 -1)	9.010	3.004	3.00	48.2	49.9
[2 0 1]	(0 2 0)	(1 1 -2)	9.010	2.607	3.46	81.7	89.4
[1 0 1]	(0 2 0)	(2 0 -2)	9.010	2.533	3.56	90.0	74.0
[1 0 0]	(0 2 0)	(0 2 2)	9.010	2.450	3.68	74.2	105.0
[2 0 1]	(0 2 0)	(1 -3 -2)	9.010	2.413	3.73	66.3	89.4
[2 0 -1]	(0 2 0)	(1 1 2)	9.010	2.296	3.92	82.7	118.6
[2 0 3]	(0 2 0)	(3 -1 -2)	9.010	2.276	3.96	82.7	60.6
[1 0 1]	(0 2 0)	(2 -4 -2)	9.010	2.208	4.08	60.7	74.0
[2 0 -1]	(0 2 0)	(1 3 2)	9.010	2.160	4.17	68.9	118.6
[2 0 3]	(0 2 0)	(3 -3 -2)	9.010	2.144	4.20	69.1	60.6
[2 0 1]	(0 2 0)	(1 5 -2)	9.010	2.127	4.24	53.8	89.4
[1 0 -1]	(0 2 0)	(2 0 2)	9.010	2.036	4.42	90.0	129.4
[1 0 2]	(0 2 0)	(4 2 -2)	9.010	1.967	4.58	77.4	49.9
[2 0 -1]	(0 2 0)	(1 5 2)	9.010	1.947	4.63	57.3	118.6
[1 0 0]	(0 2 0)	(0 6 -2)	9.010	1.942	4.64	49.7	105.0
[2 0 3]	(0 2 0)	(3 5 -2)	9.010	1.936	4.65	57.5	60.6
[1 0 -1]	(0 2 0)	(2 4 2)	9.010	1.855	4.86	65.7	129.4
[3 0 2]	(0 2 0)	(2 0 -3)	9.010	1.748	5.16	90.0	84.1
[3 0 1]	(0 2 0)	(1 -1 -3)	9.010	1.743	5.17	84.5	94.7
[2 0 -1]	(0 2 0)	(1 -7 2)	9.010	1.721	5.23	48.0	118.6
[3 0 2]	(0 2 0)	(2 -2 -3)	9.010	1.716	5.25	79.0	84.1
[2 0 3]	(0 2 0)	(3 7 -2)	9.010	1.713	5.26	48.3	60.6
[1 0 1]	(0 2 0)	(3 1 -3)	9.010	1.681	5.36	84.6	74.0
[3 0 1]	(0 2 0)	(1 -3 -3)	9.010	1.681	5.36	73.8	94.7
[1 0 2]	(0 2 0)	(4 6 -2)	9.010	1.674	5.38	56.1	49.9
[1 0 0]	(0 2 0)	(0 2 3)	9.010	1.668	5.40	79.3	105.0
[3 0 2]	(0 2 0)	(2 -4 -3)	9.010	1.629	5.53	68.8	84.1
[3 0 -1]	(0 2 0)	(1 -1 3)	9.010	1.595	5.65	84.9	114.3
[3 0 4]	(0 2 0)	(4 0 -3)	9.010	1.589	5.67	90.0	64.7
[1 0 0]	(0 2 0)	(0 4 3)	9.010	1.588	5.67	69.4	105.0
[3 0 1]	(0 2 0)	(1 -5 -3)	9.010	1.575	5.72	64.1	94.7
[3 0 4]	(0 2 0)	(4 2 -3)	9.010	1.564	5.76	80.0	64.7
[3 0 -1]	(0 2 0)	(1 -3 3)	9.010	1.547	5.82	75.1	114.3
[1 0 1]	(0 2 0)	(3 5 -3)	9.010	1.529	5.89	64.9	74.0
[1 0 -1]	(0 2 0)	(2 8 2)	9.010	1.511	5.96	47.9	129.4
[3 0 2]	(0 2 0)	(2 -6 -3)	9.010	1.510	5.97	59.8	84.1
[3 0 4]	(0 2 0)	(4 4 -3)	9.010	1.498	6.01	70.6	64.7

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 0 -2]	(0 2 0)	(2 0 3)	9.010	1.482	6.08	90.0	122.5
[1 0 0]	(0 2 0)	(0 6 3)	9.010	1.478	6.10	60.5	105.0
[3 0 5]	(0 2 0)	(5 1 -3)	9.010	1.463	6.16	85.3	56.7
[3 0 -1]	(0 2 0)	(1 -5 3)	9.010	1.463	6.16	66.0	114.3
[3 0 -2]	(0 2 0)	(2 -2 3)	9.010	1.462	6.16	80.7	122.5
[3 0 1]	(0 2 0)	(1 -7 -3)	9.010	1.448	6.22	55.8	94.7
[3 0 5]	(0 2 0)	(5 3 -3)	9.010	1.426	6.32	76.3	56.7
[1 0 1]	(0 2 0)	(3 7 -3)	9.010	1.412	6.38	56.7	74.0
[3 0 -2]	(0 2 0)	(2 4 3)	9.010	1.408	6.40	71.8	122.5
[3 0 4]	(0 2 0)	(4 -6 -3)	9.010	1.404	6.42	62.1	64.7
[3 0 2]	(0 2 0)	(2 8 -3)	9.010	1.381	6.53	52.2	84.1
[3 0 5]	(0 2 0)	(5 5 -3)	9.010	1.360	6.63	67.8	56.7
[3 0 -1]	(0 2 0)	(1 -7 3)	9.010	1.359	6.63	58.1	114.3
[1 0 0]	(0 2 0)	(0 8 -3)	9.010	1.355	6.65	53.0	105.0
[1 0 -1]	(0 2 0)	(3 -1 3)	9.010	1.354	6.66	85.7	129.4
[1 0 2]	(0 2 0)	(6 0 -3)	9.010	1.344	6.70	90.0	49.9
[1 0 2]	(0 2 0)	(6 2 -3)	9.010	1.329	6.78	81.5	49.9
[3 0 -2]	(0 2 0)	(2 6 3)	9.010	1.329	6.78	63.7	122.5
[3 0 1]	(0 2 0)	(1 9 -3)	9.010	1.318	6.84	48.8	94.7
[3 0 4]	(0 2 0)	(4 8 -3)	9.010	1.298	6.94	54.8	64.7
[1 0 1]	(0 2 0)	(3 -9 -3)	9.010	1.291	6.98	49.9	74.0
[1 0 2]	(0 2 0)	(6 4 -3)	9.010	1.288	7.00	73.4	49.9
[3 0 5]	(0 2 0)	(5 7 -3)	9.010	1.275	7.06	60.3	56.7
[1 0 -1]	(0 2 0)	(3 5 3)	9.010	1.270	7.09	69.4	129.4
[3 0 2]	(0 2 0)	(2 -10 -3)	9.010	1.254	7.18	45.9	84.1
[3 0 -1]	(0 2 0)	(1 9 3)	9.010	1.250	7.21	51.4	114.3
[1 1 0]	(1 1 0)	(0 0 1)	8.408	5.092	1.65	76.8	97.1
[1 -1 2]	(1 1 0)	(1 -1 -1)	8.408	4.876	1.72	83.8	68.6
[1 1 0]	(1 1 0)	(1 -1 -1)	8.408	4.876	1.72	68.8	97.1
[1 -1 2]	(1 1 0)	(0 2 1)	8.408	4.433	1.90	64.6	68.6
[1 -1 -2]	(1 1 0)	(0 2 -1)	8.408	4.433	1.90	88.2	122.7
[1 1 2]	(1 1 0)	(2 0 -1)	8.408	4.032	2.09	55.3	68.6
[1 1 0]	(1 1 0)	(1 1 1)	8.408	3.972	2.12	49.4	97.1
[1 -1 -2]	(1 1 0)	(1 -1 1)	8.408	3.972	2.12	63.6	122.7
[1 -1 4]	(1 1 0)	(1 -3 -1)	8.408	3.872	2.17	83.4	47.7
[1 1 -2]	(1 1 0)	(1 -3 -1)	8.408	3.872	2.17	60.8	122.7
[1 -1 4]	(1 1 0)	(2 -2 -1)	8.408	3.680	2.28	70.8	47.7
[1 -1 4]	(1 1 0)	(0 4 1)	8.408	3.374	2.49	60.0	47.7
[1 -1 4]	(1 1 0)	(3 -1 -1)	8.408	3.025	2.78	50.9	47.7
[1 -1 1]	(1 1 0)	(1 -1 -2)	8.408	2.607	3.23	86.6	82.4
[1 1 0]	(1 1 0)	(1 -1 -2)	8.408	2.607	3.23	85.6	97.1
[1 1 1]	(1 1 0)	(2 0 -2)	8.408	2.533	3.32	75.9	82.4
[1 -1 -1]	(1 1 0)	(0 2 -2)	8.408	2.450	3.43	84.7	111.0
[1 1 1]	(1 1 0)	(0 2 -2)	8.408	2.450	3.43	69.7	82.4

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 1 -1]	(1 1 0)	(1 -3 -2)	8.408	2.413	3.48	78.7	111.0
[1 1 2]	(1 1 0)	(1 3 -2)	8.408	2.413	3.48	79.7	68.6
[1 1 0]	(1 1 0)	(1 1 2)	8.408	2.296	3.66	61.4	97.1
[1 1 -1]	(1 1 0)	(1 1 2)	8.408	2.296	3.66	68.9	111.0
[1 1 1]	(1 1 0)	(3 -1 -2)	8.408	2.276	3.69	60.6	82.4
[1 -1 2]	(1 1 0)	(3 -1 -2)	8.408	2.276	3.69	68.1	68.6
[1 1 -1]	(1 1 0)	(2 -4 -2)	8.408	2.208	3.81	63.8	111.0
[1 -1 3]	(1 1 0)	(2 -4 -2)	8.408	2.208	3.81	89.1	56.9
[1 1 -2]	(1 1 0)	(1 3 2)	8.408	2.160	3.89	76.9	122.7
[1 -1 1]	(1 1 0)	(1 3 2)	8.408	2.160	3.89	55.8	82.4
[1 -1 3]	(1 1 0)	(3 -3 -2)	8.408	2.144	3.92	76.1	56.9
[1 1 0]	(1 1 0)	(3 -3 -2)	8.408	2.144	3.92	55.1	97.1
[1 1 3]	(1 1 0)	(1 5 -2)	8.408	2.127	3.95	74.4	56.9
[1 -1 -2]	(1 1 0)	(1 5 -2)	8.408	2.127	3.95	73.6	122.7
[1 1 -1]	(1 1 0)	(2 0 2)	8.408	2.036	4.13	55.8	111.0
[1 1 3]	(1 1 0)	(4 2 -2)	8.408	1.967	4.27	63.0	56.9
[1 -1 1]	(1 1 0)	(4 2 -2)	8.408	1.967	4.27	48.9	82.4
[1 1 -3]	(1 1 0)	(1 5 2)	8.408	1.947	4.32	84.1	132.0
[1 -1 2]	(1 1 0)	(1 5 2)	8.408	1.947	4.32	52.6	68.6
[1 1 -3]	(1 1 0)	(0 6 2)	8.408	1.942	4.33	82.7	132.0
[1 1 3]	(1 1 0)	(0 6 -2)	8.408	1.942	4.33	61.6	56.9
[1 1 4]	(1 1 0)	(3 5 -2)	8.408	1.936	4.34	83.3	47.7
[1 -1 -1]	(1 1 0)	(3 5 -2)	8.408	1.936	4.34	51.9	111.0
[1 1 1]	(1 1 0)	(2 -4 2)	8.408	1.855	4.53	45.3	82.4
[1 1 -3]	(1 1 0)	(2 4 2)	8.408	1.855	4.53	71.4	132.0
[1 1 -3]	(1 1 0)	(1 -7 -2)	8.408	1.841	4.57	70.1	132.0
[1 -1 4]	(1 1 0)	(1 -7 -2)	8.408	1.841	4.57	70.9	47.7
[1 -1 -1]	(1 1 0)	(3 1 2)	8.408	1.765	4.76	45.8	111.0
[1 -1 -2]	(1 1 0)	(3 -1 2)	8.408	1.765	4.76	52.8	122.7
[1 1 3]	(1 1 0)	(5 1 -2)	8.408	1.748	4.81	52.3	56.9
[1 -1 2]	(1 1 0)	(5 1 -2)	8.408	1.748	4.81	45.4	68.6
[3 -3 2]	(1 1 0)	(2 0 -3)	8.408	1.748	4.81	84.8	87.3
[1 1 0]	(1 1 0)	(1 1 -3)	8.408	1.743	4.83	88.5	97.1
[3 -3 2]	(1 1 0)	(1 -1 -3)	8.408	1.743	4.83	83.3	87.3
[1 1 3]	(1 1 0)	(1 -7 2)	8.408	1.721	4.89	51.2	56.9
[3 3 4]	(1 1 0)	(2 2 -3)	8.408	1.716	4.90	90.0	77.6
[1 1 0]	(1 1 0)	(2 -2 -3)	8.408	1.716	4.90	79.8	97.1
[1 1 -2]	(1 1 0)	(3 -7 -2)	8.408	1.713	4.91	50.6	122.7
[1 1 -3]	(1 1 0)	(3 3 2)	8.408	1.701	4.94	60.3	132.0
[1 1 4]	(1 1 0)	(5 3 -2)	8.408	1.685	4.99	59.9	47.7
[1 1 -3]	(1 1 0)	(2 -8 -2)	8.408	1.683	5.00	59.3	132.0
[3 3 2]	(1 1 0)	(3 -1 -3)	8.408	1.681	5.00	73.3	87.3
[3 3 4]	(1 1 0)	(3 1 -3)	8.408	1.681	5.00	78.5	77.6
[3 3 -2]	(1 1 0)	(1 -3 -3)	8.408	1.681	5.00	86.5	106.5
[3 3 4]	(1 1 0)	(1 3 -3)	8.408	1.681	5.00	78.5	77.6

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 3 2]	(1 1 0)	(0 2 -3)	8.408	1.668	5.04	71.9	87.3
[3 3 -2]	(1 1 0)	(0 2 3)	8.408	1.668	5.04	82.1	106.5
[1 1 2]	(1 1 0)	(2 4 -3)	8.408	1.629	5.16	85.1	68.6
[3 3 -2]	(1 1 0)	(2 -4 -3)	8.408	1.629	5.16	75.4	106.5
[1 1 0]	(1 1 0)	(1 -1 3)	8.408	1.595	5.27	66.2	97.1
[3 -3 -2]	(1 1 0)	(1 -1 3)	8.408	1.595	5.27	71.3	106.5
[3 3 4]	(1 1 0)	(4 0 -3)	8.408	1.589	5.29	67.8	77.6
[3 3 4]	(1 1 0)	(0 4 -3)	8.408	1.588	5.29	67.8	77.6
[3 3 -4]	(1 1 0)	(0 4 3)	8.408	1.588	5.29	87.2	115.1
[1 1 2]	(1 1 0)	(1 5 -3)	8.408	1.575	5.34	74.4	68.6
[3 3 -4]	(1 1 0)	(1 -5 -3)	8.408	1.575	5.34	82.0	115.1
[1 1 2]	(1 1 0)	(4 2 -3)	8.408	1.564	5.37	73.1	68.6
[3 -3 2]	(1 1 0)	(4 2 -3)	8.408	1.564	5.37	63.1	87.3
[3 3 2]	(1 1 0)	(1 -3 3)	8.408	1.547	5.44	61.8	87.3
[3 -3 -4]	(1 1 0)	(1 -3 3)	8.408	1.547	5.44	76.6	115.1
[3 -3 8]	(1 1 0)	(3 -5 -3)	8.408	1.529	5.50	88.7	60.5
[3 -3 -2]	(1 1 0)	(3 5 -3)	8.408	1.529	5.50	65.2	106.5
[1 1 -3]	(1 1 0)	(4 2 2)	8.408	1.527	5.51	51.2	132.0
[1 -1 4]	(1 1 0)	(1 9 2)	8.408	1.514	5.55	51.0	47.7
[3 -3 8]	(1 1 0)	(2 -6 -3)	8.408	1.510	5.57	81.0	60.5
[3 3 -4]	(1 1 0)	(2 -6 -3)	8.408	1.510	5.57	71.8	115.1
[1 -1 -3]	(1 1 0)	(3 9 -2)	8.408	1.509	5.57	50.4	132.0
[3 -3 8]	(1 1 0)	(4 -4 -3)	8.408	1.498	5.61	78.4	60.5
[1 1 0]	(1 1 0)	(4 4 -3)	8.408	1.498	5.61	59.3	97.1
[3 -3 -2]	(1 1 0)	(2 0 3)	8.408	1.482	5.67	61.6	106.5
[1 -1 -2]	(1 1 0)	(0 6 -3)	8.408	1.478	5.69	88.2	122.7
[1 -1 2]	(1 1 0)	(0 6 3)	8.408	1.478	5.69	64.6	68.6
[1 -1 2]	(1 1 0)	(5 -1 -3)	8.408	1.463	5.75	63.5	68.6
[3 -3 4]	(1 1 0)	(5 1 -3)	8.408	1.463	5.75	58.5	77.6
[3 -3 4]	(1 1 0)	(1 5 3)	8.408	1.463	5.75	58.5	77.6
[1 -1 -2]	(1 1 0)	(1 -5 3)	8.408	1.463	5.75	81.8	122.7
[1 1 0]	(1 1 0)	(2 2 3)	8.408	1.462	5.75	57.0	97.1
[3 -3 -4]	(1 1 0)	(2 -2 3)	8.408	1.462	5.75	66.9	115.1
[1 -1 -2]	(1 1 0)	(1 7 -3)	8.408	1.448	5.81	78.3	122.7
[3 -3 8]	(1 1 0)	(1 -7 -3)	8.408	1.448	5.81	71.2	60.5
[3 -3 8]	(1 1 0)	(5 -3 -3)	8.408	1.426	5.90	68.8	60.5
[3 -3 2]	(1 1 0)	(5 3 -3)	8.408	1.426	5.90	54.4	87.3
[3 -3 10]	(1 1 0)	(3 -7 -3)	8.408	1.412	5.96	87.0	53.6
[3 -3 -4]	(1 1 0)	(3 7 -3)	8.408	1.412	5.96	62.6	115.1
[3 -3 2]	(1 1 0)	(2 4 3)	8.408	1.408	5.97	53.3	87.3
[1 1 -2]	(1 1 0)	(2 4 3)	8.408	1.408	5.97	72.2	122.7
[3 -3 10]	(1 1 0)	(4 -6 -3)	8.408	1.404	5.99	83.4	53.6
[3 3 -2]	(1 1 0)	(4 -6 -3)	8.408	1.404	5.99	56.5	106.5
[1 -1 -2]	(1 1 0)	(2 8 -3)	8.408	1.381	6.09	69.1	122.7
[3 3 10]	(1 1 0)	(2 8 -3)	8.408	1.381	6.09	77.6	53.6

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[1 1 0]	(1 1 0)	(5 -5 -3)	8.408	1.360	6.18	51.3	97.1
[3 3 10]	(1 1 0)	(5 5 -3)	8.408	1.360	6.18	74.1	53.6
[1 1 2]	(1 1 0)	(1 -7 3)	8.408	1.359	6.19	56.2	68.6
[3 3 -8]	(1 1 0)	(1 7 3)	8.408	1.359	6.19	86.4	129.2
[3 3 -8]	(1 1 0)	(0 8 3)	8.408	1.355	6.20	84.3	129.2
[3 3 8]	(1 1 0)	(0 8 -3)	8.408	1.355	6.20	62.4	60.5
[3 3 -4]	(1 1 0)	(3 1 3)	8.408	1.354	6.21	58.3	115.1
[3 3 -2]	(1 1 0)	(3 -1 3)	8.408	1.354	6.21	53.5	106.5
[1 1 2]	(1 1 0)	(6 0 -3)	8.408	1.344	6.26	55.3	68.6
[3 3 4]	(1 1 0)	(6 -2 -3)	8.408	1.329	6.33	50.8	77.6
[3 3 8]	(1 1 0)	(6 2 -3)	8.408	1.329	6.33	60.4	60.5
[3 3 4]	(1 1 0)	(2 -6 3)	8.408	1.329	6.33	50.8	77.6
[3 3 -8]	(1 1 0)	(2 6 3)	8.408	1.329	6.33	77.3	129.2
[3 3 -8]	(1 1 0)	(1 -9 -3)	8.408	1.318	6.38	75.4	129.2
[3 3 10]	(1 1 0)	(1 9 -3)	8.408	1.318	6.38	68.8	53.6
[3 3 -4]	(1 1 0)	(4 -8 -3)	8.408	1.298	6.48	54.7	115.1
[1 1 4]	(1 1 0)	(4 8 -3)	8.408	1.298	6.48	87.7	47.7
[1 1 -2]	(1 1 0)	(3 -9 -3)	8.408	1.291	6.51	60.8	122.7
[1 -1 4]	(1 1 0)	(3 -9 -3)	8.408	1.291	6.51	83.4	47.7
[3 3 2]	(1 1 0)	(6 -4 -3)	8.408	1.288	6.53	47.2	87.3
[3 3 10]	(1 1 0)	(6 4 -3)	8.408	1.288	6.53	65.6	53.6
[3 3 -2]	(1 1 0)	(5 -7 -3)	8.408	1.275	6.59	49.2	106.5
[1 1 4]	(1 1 0)	(5 7 -3)	8.408	1.275	6.59	79.0	47.7
[3 3 -8]	(1 1 0)	(3 5 3)	8.408	1.270	6.62	68.8	129.2
[3 -3 2]	(1 1 0)	(3 5 3)	8.408	1.270	6.62	46.4	87.3
[3 3 -8]	(1 1 0)	(2 -10 -3)	8.408	1.254	6.70	67.1	129.2
[1 -1 4]	(1 1 0)	(2 -10 -3)	8.408	1.254	6.70	74.9	47.7
[3 3 8]	(1 1 0)	(1 -9 3)	8.408	1.250	6.72	54.8	60.5
[3 -3 -10]	(1 1 0)	(1 -9 3)	8.408	1.250	6.72	89.6	134.6
[3 1 0]	(1 3 0)	(0 0 1)	5.078	5.092	1.00	82.1	102.7
[3 -1 4]	(1 3 0)	(1 -1 -1)	5.078	4.876	1.04	85.0	68.2
[3 1 2]	(1 3 0)	(1 -1 -1)	5.078	4.876	1.04	68.2	85.0
[3 -1 2]	(1 3 0)	(0 2 1)	5.078	4.433	1.15	57.6	85.0
[3 -1 -2]	(1 3 0)	(0 2 -1)	5.078	4.433	1.15	72.8	118.3
[3 1 6]	(1 3 0)	(2 0 -1)	5.078	4.032	1.26	69.9	54.6
[3 -1 -2]	(1 3 0)	(1 1 1)	5.078	3.972	1.28	58.9	118.3
[3 -1 -4]	(1 3 0)	(1 -1 1)	5.078	3.972	1.28	81.7	130.4
[3 -1 6]	(1 3 0)	(1 -3 -1)	5.078	3.872	1.31	64.4	54.6
[3 1 0]	(1 3 0)	(1 -3 -1)	5.078	3.872	1.31	48.9	102.7
[3 1 4]	(1 3 0)	(2 -2 -1)	5.078	3.680	1.38	48.8	68.2
[3 1 -4]	(1 3 0)	(0 4 1)	5.078	3.374	1.51	57.2	130.4
[3 -1 -4]	(1 3 0)	(2 2 1)	5.078	2.930	1.73	46.9	130.4
[3 -1 2]	(1 3 0)	(1 -1 -2)	5.078	2.607	1.95	83.3	85.0
[3 1 1]	(1 3 0)	(1 -1 -2)	5.078	2.607	1.95	82.7	94.0

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d(hk0)	d(hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 1 3]	(1 3 0)	(2 0 -2)	5.078	2.533	2.01	81.5	76.3
[3 -1 -1]	(1 3 0)	(0 2 -2)	5.078	2.450	2.07	84.4	110.9
[3 1 1]	(1 3 0)	(0 2 -2)	5.078	2.450	2.07	68.7	94.0
[3 1 0]	(1 3 0)	(1 -3 -2)	5.078	2.413	2.10	69.8	102.7
[3 1 3]	(1 3 0)	(1 3 -2)	5.078	2.413	2.10	70.4	76.3
[3 -1 -1]	(1 3 0)	(1 1 2)	5.078	2.296	2.21	68.8	110.9
[3 1 -2]	(1 3 0)	(1 1 2)	5.078	2.296	2.21	81.6	118.3
[3 1 4]	(1 3 0)	(3 -1 -2)	5.078	2.276	2.23	68.5	68.2
[3 -1 5]	(1 3 0)	(3 -1 -2)	5.078	2.276	2.23	81.2	61.0
[3 1 1]	(1 3 0)	(2 -4 -2)	5.078	2.208	2.30	57.1	94.0
[3 -1 5]	(1 3 0)	(2 -4 -2)	5.078	2.208	2.30	73.4	61.0
[3 1 -3]	(1 3 0)	(1 3 2)	5.078	2.160	2.35	86.2	124.8
[3 1 0]	(1 3 0)	(1 3 2)	5.078	2.160	2.35	57.2	102.7
[3 -1 6]	(1 3 0)	(3 -3 -2)	5.078	2.144	2.37	86.8	54.6
[3 1 3]	(1 3 0)	(3 -3 -2)	5.078	2.144	2.37	56.8	76.3
[3 1 4]	(1 3 0)	(1 5 -2)	5.078	2.127	2.39	60.4	68.2
[3 -1 -1]	(1 3 0)	(1 5 -2)	5.078	2.127	2.39	59.8	110.9
[3 1 -3]	(1 3 0)	(2 0 2)	5.078	2.036	2.49	70.2	124.8
[3 1 7]	(1 3 0)	(4 2 -2)	5.078	1.967	2.58	81.3	49.1
[3 -1 5]	(1 3 0)	(4 2 -2)	5.078	1.967	2.58	58.7	61.0
[3 1 -4]	(1 3 0)	(1 5 2)	5.078	1.947	2.61	76.0	130.4
[3 -1 1]	(1 3 0)	(1 5 2)	5.078	1.947	2.61	47.8	94.0
[3 1 -3]	(1 3 0)	(0 6 2)	5.078	1.942	2.61	63.8	124.8
[3 1 3]	(1 3 0)	(0 6 -2)	5.078	1.942	2.61	49.3	76.3
[3 1 7]	(1 3 0)	(3 5 -2)	5.078	1.936	2.62	76.6	49.1
[3 -1 2]	(1 3 0)	(3 5 -2)	5.078	1.936	2.62	47.5	85.0
[3 1 -1]	(1 3 0)	(2 -4 2)	5.078	1.855	2.74	48.9	110.9
[3 1 -2]	(1 3 0)	(1 -7 -2)	5.078	1.841	2.76	52.5	118.3
[3 -1 5]	(1 3 0)	(1 -7 -2)	5.078	1.841	2.76	53.1	61.0
[3 -1 -4]	(1 3 0)	(3 1 2)	5.078	1.765	2.88	61.6	130.4
[3 -1 7]	(1 3 0)	(5 1 -2)	5.078	1.748	2.91	61.4	49.1
[3 -1 2]	(1 3 0)	(2 0 -3)	5.078	1.748	2.91	86.9	85.0
[9 -3 2]	(1 3 0)	(1 1 -3)	5.078	1.743	2.91	87.8	96.9
[9 -3 4]	(1 3 0)	(1 -1 -3)	5.078	1.743	2.91	82.8	91.0
[9 3 8]	(1 3 0)	(2 2 -3)	5.078	1.716	2.96	83.8	79.2
[9 3 4]	(1 3 0)	(2 -2 -3)	5.078	1.716	2.96	77.6	91.0
[3 -1 -3]	(1 3 0)	(3 3 2)	5.078	1.701	2.98	51.8	124.8
[3 1 6]	(1 3 0)	(5 -3 -2)	5.078	1.685	3.01	51.7	54.6
[3 1 7]	(1 3 0)	(2 8 -2)	5.078	1.683	3.02	57.7	49.1
[9 3 8]	(1 3 0)	(3 -1 -3)	5.078	1.681	3.02	77.0	79.2
[9 3 10]	(1 3 0)	(3 1 -3)	5.078	1.681	3.02	86.1	73.6
[3 1 0]	(1 3 0)	(1 -3 -3)	5.078	1.681	3.02	78.8	102.7
[3 1 2]	(1 3 0)	(1 3 -3)	5.078	1.681	3.02	73.8	85.0
[9 3 2]	(1 3 0)	(0 2 -3)	5.078	1.668	3.04	73.0	96.9
[9 3 -2]	(1 3 0)	(0 2 3)	5.078	1.668	3.04	88.8	108.3

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[9 3 10]	(1 3 0)	(2 4 -3)	5.078	1.629	3.12	75.2	73.6
[9 3 2]	(1 3 0)	(2 -4 -3)	5.078	1.629	3.12	69.1	96.9
[9 3 -2]	(1 3 0)	(1 -1 3)	5.078	1.595	3.18	72.9	108.3
[9 -3 -4]	(1 3 0)	(1 -1 3)	5.078	1.595	3.18	81.7	113.5
[3 1 -3]	(1 3 0)	(1 -9 -2)	5.078	1.594	3.19	47.4	124.8
[3 1 6]	(1 3 0)	(1 9 -2)	5.078	1.594	3.19	47.9	54.6
[3 1 4]	(1 3 0)	(4 0 -3)	5.078	1.589	3.20	76.8	68.2
[9 3 4]	(1 3 0)	(0 4 -3)	5.078	1.588	3.20	64.7	91.0
[9 3 -4]	(1 3 0)	(0 4 3)	5.078	1.588	3.20	80.3	113.5
[9 3 8]	(1 3 0)	(1 5 -3)	5.078	1.575	3.22	65.9	79.2
[9 3 -2]	(1 3 0)	(1 -5 -3)	5.078	1.575	3.22	70.7	108.3
[9 3 14]	(1 3 0)	(4 2 -3)	5.078	1.564	3.25	85.5	63.3
[9 -3 10]	(1 3 0)	(4 2 -3)	5.078	1.564	3.25	68.2	73.6
[3 1 0]	(1 3 0)	(1 -3 3)	5.078	1.547	3.28	64.5	102.7
[3 -1 -2]	(1 3 0)	(1 -3 3)	5.078	1.547	3.28	89.7	118.3
[9 -3 14]	(1 3 0)	(3 -5 -3)	5.078	1.529	3.32	77.0	63.3
[9 -3 4]	(1 3 0)	(3 5 -3)	5.078	1.529	3.32	60.5	91.0
[3 -1 4]	(1 3 0)	(2 -6 -3)	5.078	1.510	3.36	67.8	68.2
[3 1 0]	(1 3 0)	(2 -6 -3)	5.078	1.510	3.36	61.8	102.7
[9 -3 16]	(1 3 0)	(4 -4 -3)	5.078	1.498	3.39	86.2	58.7
[9 -3 8]	(1 3 0)	(4 4 -3)	5.078	1.498	3.39	60.3	79.2
[3 -1 -2]	(1 3 0)	(2 0 3)	5.078	1.482	3.43	73.3	118.3
[3 -1 -2]	(1 3 0)	(0 6 -3)	5.078	1.478	3.44	72.8	118.3
[3 -1 2]	(1 3 0)	(0 6 3)	5.078	1.478	3.44	57.6	85.0
[9 -3 16]	(1 3 0)	(5 -1 -3)	5.078	1.463	3.47	77.1	58.7
[9 -3 14]	(1 3 0)	(5 1 -3)	5.078	1.463	3.47	68.8	63.3
[9 -3 2]	(1 3 0)	(1 5 3)	5.078	1.463	3.47	57.0	96.9
[9 -3 -8]	(1 3 0)	(1 -5 3)	5.078	1.463	3.47	81.8	122.7
[9 -3 -4]	(1 3 0)	(2 2 3)	5.078	1.462	3.47	65.2	113.5
[9 -3 -8]	(1 3 0)	(2 -2 3)	5.078	1.462	3.47	81.6	122.7
[3 -1 7]	(1 3 0)	(6 4 -2)	5.078	1.453	3.50	46.9	49.1
[9 -3 -4]	(1 3 0)	(1 7 -3)	5.078	1.448	3.51	63.9	113.5
[9 -3 10]	(1 3 0)	(1 -7 -3)	5.078	1.448	3.51	59.2	73.6
[3 -1 6]	(1 3 0)	(5 -3 -3)	5.078	1.426	3.56	85.2	54.6
[3 -1 4]	(1 3 0)	(5 3 -3)	5.078	1.426	3.56	60.9	68.2
[9 -3 16]	(1 3 0)	(3 -7 -3)	5.078	1.412	3.60	70.1	58.7
[9 -3 2]	(1 3 0)	(3 7 -3)	5.078	1.412	3.60	54.1	96.9
[9 -3 -2]	(1 3 0)	(2 4 3)	5.078	1.408	3.61	57.5	108.3
[9 3 -10]	(1 3 0)	(2 4 3)	5.078	1.408	3.61	89.5	126.7
[3 -1 6]	(1 3 0)	(4 -6 -3)	5.078	1.404	3.62	78.8	54.6
[3 1 2]	(1 3 0)	(4 -6 -3)	5.078	1.404	3.62	53.4	85.0
[9 -3 -2]	(1 3 0)	(2 8 -3)	5.078	1.381	3.68	55.9	108.3
[9 3 14]	(1 3 0)	(2 8 -3)	5.078	1.381	3.68	61.6	63.3
[9 3 10]	(1 3 0)	(5 -5 -3)	5.078	1.360	3.73	53.8	73.6
[9 3 20]	(1 3 0)	(5 5 -3)	5.078	1.360	3.73	87.3	50.8

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d(hk0)	d(hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[9 3 4]	(1 3 0)	(1 -7 3)	5.078	1.359	3.74	50.7	91.0
[9 3 -10]	(1 3 0)	(1 7 3)	5.078	1.359	3.74	74.9	126.7
[9 3 -8]	(1 3 0)	(0 8 3)	5.078	1.355	3.75	66.5	122.7
[9 3 8]	(1 3 0)	(0 8 -3)	5.078	1.355	3.75	51.8	79.2
[9 3 -10]	(1 3 0)	(3 1 3)	5.078	1.354	3.75	74.1	126.7
[9 3 -8]	(1 3 0)	(3 -1 3)	5.078	1.354	3.75	66.3	122.7
[3 1 6]	(1 3 0)	(6 0 -3)	5.078	1.344	3.78	69.9	54.6
[9 3 16]	(1 3 0)	(6 -2 -3)	5.078	1.329	3.82	62.3	58.7
[9 3 20]	(1 3 0)	(6 2 -3)	5.078	1.329	3.82	77.6	50.8
[3 1 0]	(1 3 0)	(2 -6 3)	5.078	1.329	3.82	50.9	102.7
[3 1 -4]	(1 3 0)	(2 6 3)	5.078	1.329	3.82	83.3	130.4
[3 1 -2]	(1 3 0)	(1 -9 -3)	5.078	1.318	3.85	58.4	118.3
[3 1 4]	(1 3 0)	(1 9 -3)	5.078	1.318	3.85	53.9	68.2
[9 3 4]	(1 3 0)	(4 -8 -3)	5.078	1.298	3.91	47.7	91.0
[9 3 20]	(1 3 0)	(4 8 -3)	5.078	1.298	3.91	72.5	50.8
[3 1 0]	(1 3 0)	(3 -9 -3)	5.078	1.291	3.93	48.9	102.7
[3 -1 6]	(1 3 0)	(3 -9 -3)	5.078	1.291	3.93	64.4	54.6
[9 3 14]	(1 3 0)	(6 -4 -3)	5.078	1.288	3.94	55.2	63.3
[9 3 22]	(1 3 0)	(6 4 -3)	5.078	1.288	3.94	85.0	47.4
[9 3 8]	(1 3 0)	(5 -7 -3)	5.078	1.275	3.98	47.7	79.2
[9 3 22]	(1 3 0)	(5 7 -3)	5.078	1.275	3.98	80.6	47.4
[9 3 -14]	(1 3 0)	(3 5 3)	5.078	1.270	4.00	88.9	133.7
[9 -3 -4]	(1 3 0)	(3 5 3)	5.078	1.270	4.00	52.0	113.5
[9 3 -4]	(1 3 0)	(2 -10 -3)	5.078	1.254	4.05	51.1	113.5
[9 -3 16]	(1 3 0)	(2 -10 -3)	5.078	1.254	4.05	56.7	58.7
[3 1 2]	(1 3 0)	(1 -9 3)	5.078	1.250	4.06	45.6	85.0
[3 -1 -4]	(1 3 0)	(1 -9 3)	5.078	1.250	4.06	69.1	130.4
[0 1 0]	(2 0 0)	(0 0 1)	4.753	5.092	.93	75.1	90.0
[0 1 1]	(2 0 0)	(1 1 -1)	4.753	4.876	.97	74.6	73.7
[0 1 2]	(2 0 0)	(0 2 -1)	4.753	4.433	1.07	77.0	59.7
[0 1 0]	(2 0 0)	(2 0 -1)	4.753	4.032	1.18	49.9	90.0
[0 1 1]	(2 0 0)	(1 -1 1)	4.753	3.972	1.20	51.8	106.3
[0 1 -3]	(2 0 0)	(1 -3 -1)	4.753	3.872	1.23	77.8	131.3
[0 1 -2]	(2 0 0)	(2 -2 -1)	4.753	3.680	1.29	54.0	120.3
[0 -1 3]	(2 0 0)	(1 3 1)	4.753	3.371	1.41	58.3	48.7
[0 2 1]	(2 0 0)	(1 1 -2)	4.753	2.607	1.82	89.4	81.7
[0 1 0]	(2 0 0)	(2 0 -2)	4.753	2.533	1.88	74.0	90.0
[0 -1 1]	(2 0 0)	(0 2 2)	4.753	2.450	1.94	75.6	73.7
[0 2 -3]	(2 0 0)	(1 -3 -2)	4.753	2.413	1.97	89.5	113.7
[0 -2 1]	(2 0 0)	(1 1 2)	4.753	2.296	2.07	61.7	81.7
[0 2 -1]	(2 0 0)	(3 -1 -2)	4.753	2.276	2.09	60.8	98.3
[0 1 -2]	(2 0 0)	(2 -4 -2)	4.753	2.208	2.15	76.1	120.3
[0 -2 3]	(2 0 0)	(1 3 2)	4.753	2.160	2.20	63.5	66.3
[0 2 -3]	(2 0 0)	(3 -3 -2)	4.753	2.144	2.22	62.7	113.7

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[0 2 5]	(2 0 0)	(1 5 -2)	4.753	2.127	2.23	89.5	53.8
[0 1 0]	(2 0 0)	(2 0 2)	4.753	2.036	2.33	50.6	90.0
[0 1 1]	(2 0 0)	(4 2 -2)	4.753	1.967	2.42	51.1	73.7
[0 -2 5]	(2 0 0)	(1 5 2)	4.753	1.947	2.44	66.3	53.8
[0 1 3]	(2 0 0)	(0 6 -2)	4.753	1.942	2.45	78.7	48.7
[0 2 5]	(2 0 0)	(3 5 -2)	4.753	1.936	2.46	65.5	53.8
[0 -1 2]	(2 0 0)	(2 4 2)	4.753	1.855	2.56	54.7	59.7
[0 1 0]	(2 0 0)	(2 0 -3)	4.753	1.748	2.72	84.1	90.0
[0 3 -1]	(2 0 0)	(1 -1 -3)	4.753	1.743	2.73	85.3	95.6
[0 3 -2]	(2 0 0)	(2 -2 -3)	4.753	1.716	2.77	84.3	101.0
[0 3 1]	(2 0 0)	(3 1 -3)	4.753	1.681	2.83	74.0	84.4
[0 1 -1]	(2 0 0)	(1 -3 -3)	4.753	1.681	2.83	85.5	106.3
[0 1 3]	(2 0 0)	(4 6 -2)	4.753	1.674	2.84	57.7	48.7
[0 -3 2]	(2 0 0)	(0 2 3)	4.753	1.668	2.85	75.3	79.0
[0 3 -4]	(2 0 0)	(2 -4 -3)	4.753	1.629	2.92	84.5	111.3
[0 -3 -1]	(2 0 0)	(1 -1 3)	4.753	1.595	2.98	65.8	95.6
[0 -2 5]	(2 0 0)	(3 5 2)	4.753	1.591	2.99	48.4	53.8
[0 1 0]	(2 0 0)	(4 0 -3)	4.753	1.589	2.99	64.7	90.0
[0 -3 4]	(2 0 0)	(0 4 3)	4.753	1.588	2.99	76.0	68.7
[0 2 5]	(2 0 0)	(5 5 -2)	4.753	1.579	3.01	47.9	53.8
[0 3 -5]	(2 0 0)	(1 -5 -3)	4.753	1.575	3.02	85.8	116.0
[0 3 2]	(2 0 0)	(4 2 -3)	4.753	1.564	3.04	65.1	79.0
[0 -1 -1]	(2 0 0)	(1 -3 3)	4.753	1.547	3.07	66.6	106.3
[0 3 5]	(2 0 0)	(3 5 -3)	4.753	1.529	3.11	75.5	64.0
[0 1 -2]	(2 0 0)	(2 -6 -3)	4.753	1.510	3.15	84.9	120.3
[0 3 4]	(2 0 0)	(4 4 -3)	4.753	1.498	3.17	66.3	68.7
[0 1 0]	(2 0 0)	(2 0 3)	4.753	1.482	3.21	57.5	90.0
[0 -1 2]	(2 0 0)	(0 6 3)	4.753	1.478	3.22	77.0	59.7
[0 3 1]	(2 0 0)	(5 1 -3)	4.753	1.463	3.25	56.8	84.4
[0 -3 -5]	(2 0 0)	(1 -5 3)	4.753	1.463	3.25	67.9	116.0
[0 -3 -2]	(2 0 0)	(2 -2 3)	4.753	1.462	3.25	58.0	101.0
[0 3 -7]	(2 0 0)	(1 -7 -3)	4.753	1.448	3.28	86.1	124.3
[0 1 1]	(2 0 0)	(5 3 -3)	4.753	1.426	3.33	57.8	73.7
[0 3 7]	(2 0 0)	(3 7 -3)	4.753	1.412	3.37	76.6	55.7
[0 -3 4]	(2 0 0)	(2 4 3)	4.753	1.408	3.38	59.3	68.7
[0 1 -2]	(2 0 0)	(4 -6 -3)	4.753	1.404	3.39	67.8	120.3
[0 3 8]	(2 0 0)	(2 8 -3)	4.753	1.381	3.44	85.4	52.1
[0 3 5]	(2 0 0)	(5 5 -3)	4.753	1.360	3.50	59.4	64.0
[0 -3 -7]	(2 0 0)	(1 -7 3)	4.753	1.359	3.50	69.5	124.3
[0 3 8]	(2 0 0)	(0 8 -3)	4.753	1.355	3.51	78.1	52.1
[0 -3 -1]	(2 0 0)	(3 -1 3)	4.753	1.354	3.51	50.7	95.6
[0 1 0]	(2 0 0)	(6 0 -3)	4.753	1.344	3.54	49.9	90.0
[0 3 2]	(2 0 0)	(6 2 -3)	4.753	1.329	3.58	50.4	79.0
[0 -1 2]	(2 0 0)	(2 6 3)	4.753	1.329	3.58	61.2	59.7
[0 1 3]	(2 0 0)	(1 9 -3)	4.753	1.318	3.61	86.5	48.7

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d(hk0)	d(hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[0 3 8]	(2 0 0)	(4 8 -3)	4.753	1.298	3.66	69.6	52.1
[0 1 -3]	(2 0 0)	(3 -9 -3)	4.753	1.291	3.68	77.8	131.3
[0 3 4]	(2 0 0)	(6 4 -3)	4.753	1.288	3.69	51.9	68.7
[0 3 7]	(2 0 0)	(5 7 -3)	4.753	1.275	3.73	61.5	55.7
[0 -3 5]	(2 0 0)	(3 5 3)	4.753	1.270	3.74	53.6	64.0
[0 3 -10]	(2 0 0)	(2 -10 -3)	4.753	1.254	3.79	85.8	134.3
[0 -1 3]	(2 0 0)	(1 9 3)	4.753	1.250	3.80	71.2	48.7
[5 1 0]	(1 5 0)	(0 0 1)	3.370	5.092	.66	84.8	104.0
[5 -1 6]	(1 5 0)	(1 -1 -1)	3.370	4.876	.69	80.9	69.6
[5 1 4]	(1 5 0)	(1 -1 -1)	3.370	4.876	.69	69.7	80.6
[5 -1 2]	(1 5 0)	(0 2 1)	3.370	4.433	.76	57.3	92.4
[5 -1 -2]	(1 5 0)	(0 2 -1)	3.370	4.433	.76	67.6	114.6
[5 1 10]	(1 5 0)	(2 0 -1)	3.370	4.032	.84	76.8	51.8
[5 -1 -4]	(1 5 0)	(1 1 1)	3.370	3.972	.85	64.8	123.6
[5 -1 -6]	(1 5 0)	(1 -1 1)	3.370	3.972	.85	89.2	131.1
[5 -1 8]	(1 5 0)	(1 -3 -1)	3.370	3.872	.87	58.1	59.9
[5 1 2]	(1 5 0)	(1 -3 -1)	3.370	3.872	.87	47.3	92.4
[5 1 8]	(1 5 0)	(2 -2 -1)	3.370	3.680	.92	53.8	59.9
[5 -1 12]	(1 5 0)	(2 -2 -1)	3.370	3.680	.92	80.0	45.2
[5 1 -4]	(1 5 0)	(0 4 1)	3.370	3.374	1.00	50.2	123.6
[5 1 10]	(1 5 0)	(1 5 -1)	3.370	2.937	1.15	45.2	51.8
[5 1 12]	(1 5 0)	(3 -3 -1)	3.370	2.733	1.23	47.0	45.2
[5 -1 3]	(1 5 0)	(1 -1 -2)	3.370	2.607	1.29	82.4	86.5
[5 1 2]	(1 5 0)	(1 -1 -2)	3.370	2.607	1.29	82.0	92.4
[5 1 5]	(1 5 0)	(2 0 -2)	3.370	2.533	1.33	84.4	75.0
[5 -1 -1]	(1 5 0)	(0 2 -2)	3.370	2.450	1.38	80.4	109.5
[5 1 1]	(1 5 0)	(0 2 -2)	3.370	2.450	1.38	70.0	98.3
[5 1 1]	(1 5 0)	(1 -3 -2)	3.370	2.413	1.40	67.7	98.3
[5 1 4]	(1 5 0)	(1 3 -2)	3.370	2.413	1.40	68.1	80.6
[5 -1 -2]	(1 5 0)	(1 1 2)	3.370	2.296	1.47	73.3	114.6
[5 1 -3]	(1 5 0)	(1 1 2)	3.370	2.296	1.47	87.2	119.3
[5 1 7]	(1 5 0)	(3 -1 -2)	3.370	2.276	1.48	73.1	64.5
[5 -1 8]	(1 5 0)	(3 -1 -2)	3.370	2.276	1.48	86.9	59.9
[5 1 3]	(1 5 0)	(2 -4 -2)	3.370	2.208	1.53	57.1	86.5
[5 -1 7]	(1 5 0)	(2 -4 -2)	3.370	2.208	1.53	68.1	64.5
[5 1 -4]	(1 5 0)	(1 3 2)	3.370	2.160	1.56	79.7	123.6
[5 -1 -1]	(1 5 0)	(1 3 2)	3.370	2.160	1.56	60.4	109.5
[5 -1 9]	(1 5 0)	(3 -3 -2)	3.370	2.144	1.57	80.2	55.7
[5 1 6]	(1 5 0)	(3 -3 -2)	3.370	2.144	1.57	60.2	69.6
[5 1 5]	(1 5 0)	(1 5 -2)	3.370	2.127	1.58	56.7	75.0
[5 1 0]	(1 5 0)	(1 5 -2)	3.370	2.127	1.58	56.3	104.0
[5 1 -5]	(1 5 0)	(2 0 2)	3.370	2.036	1.66	77.0	127.5
[5 1 11]	(1 5 0)	(4 2 -2)	3.370	1.967	1.71	88.9	48.3
[5 -1 9]	(1 5 0)	(4 2 -2)	3.370	1.967	1.71	64.7	55.7

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[5 1 -5]	(1 5 0)	(1 5 2)	3.370	1.947	1.73	68.7	127.5
[5 1 0]	(1 5 0)	(1 5 2)	3.370	1.947	1.73	49.6	104.0
[5 1 -3]	(1 5 0)	(0 6 2)	3.370	1.942	1.74	57.7	119.3
[5 1 3]	(1 5 0)	(0 6 -2)	3.370	1.942	1.74	47.6	86.5
[5 1 10]	(1 5 0)	(3 5 -2)	3.370	1.936	1.74	69.2	51.8
[5 -1 5]	(1 5 0)	(3 5 -2)	3.370	1.936	1.74	49.5	75.0
[5 1 -3]	(1 5 0)	(2 -4 2)	3.370	1.855	1.82	53.8	119.3
[5 1 -7]	(1 5 0)	(2 4 2)	3.370	1.855	1.82	79.6	134.3
[5 1 -1]	(1 5 0)	(1 -7 -2)	3.370	1.841	1.83	47.8	109.5
[5 -1 6]	(1 5 0)	(1 -7 -2)	3.370	1.841	1.83	48.2	69.6
[5 -1 -7]	(1 5 0)	(3 1 2)	3.370	1.765	1.91	69.4	134.3
[5 -1 12]	(1 5 0)	(5 1 -2)	3.370	1.748	1.93	69.3	45.2
[15 -3 10]	(1 5 0)	(2 0 -3)	3.370	1.748	1.93	87.9	84.5
[15 -3 4]	(1 5 0)	(1 1 -3)	3.370	1.743	1.93	86.5	96.4
[5 -1 2]	(1 5 0)	(1 -1 -3)	3.370	1.743	1.93	83.1	92.4
[5 1 -6]	(1 5 0)	(1 7 2)	3.370	1.721	1.96	60.1	131.1
[5 1 4]	(1 5 0)	(2 2 -3)	3.370	1.716	1.96	81.8	80.6
[15 3 8]	(1 5 0)	(2 -2 -3)	3.370	1.716	1.96	77.7	88.5
[5 1 11]	(1 5 0)	(3 7 -2)	3.370	1.713	1.97	60.5	48.3
[5 -1 -6]	(1 5 0)	(3 3 2)	3.370	1.701	1.98	58.9	131.1
[5 1 11]	(1 5 0)	(5 -3 -2)	3.370	1.685	2.00	58.9	48.3
[5 1 9]	(1 5 0)	(2 8 -2)	3.370	1.683	2.00	50.7	55.7
[15 3 14]	(1 5 0)	(3 -1 -3)	3.370	1.681	2.00	79.4	76.8
[15 3 16]	(1 5 0)	(3 1 -3)	3.370	1.681	2.00	89.4	73.1
[15 3 2]	(1 5 0)	(1 -3 -3)	3.370	1.681	2.00	76.5	100.2
[15 3 8]	(1 5 0)	(1 3 -3)	3.370	1.681	2.00	73.2	88.5
[15 3 2]	(1 5 0)	(0 2 -3)	3.370	1.668	2.02	74.8	100.2
[15 3 -2]	(1 5 0)	(0 2 3)	3.370	1.668	2.02	85.2	107.7
[15 3 14]	(1 5 0)	(2 4 -3)	3.370	1.629	2.07	72.3	76.8
[5 1 2]	(1 5 0)	(2 -4 -3)	3.370	1.629	2.07	68.2	92.4
[15 3 -4]	(1 5 0)	(1 -1 3)	3.370	1.595	2.11	76.8	111.2
[5 -1 -2]	(1 5 0)	(1 -1 3)	3.370	1.595	2.11	86.4	114.6
[5 1 -5]	(1 5 0)	(3 -5 2)	3.370	1.591	2.12	49.6	127.5
[15 3 20]	(1 5 0)	(4 0 -3)	3.370	1.589	2.12	81.3	66.2
[15 3 4]	(1 5 0)	(0 4 -3)	3.370	1.588	2.12	65.5	96.4
[15 3 -4]	(1 5 0)	(0 4 3)	3.370	1.588	2.12	75.9	111.2
[5 1 10]	(1 5 0)	(5 -5 -2)	3.370	1.579	2.13	49.7	51.8
[15 3 10]	(1 5 0)	(1 5 -3)	3.370	1.575	2.14	64.2	84.5
[5 1 0]	(1 5 0)	(1 -5 -3)	3.370	1.575	2.14	67.5	104.0
[15 3 22]	(1 5 0)	(4 2 -3)	3.370	1.564	2.15	89.2	63.0
[5 -1 6]	(1 5 0)	(4 2 -3)	3.370	1.564	2.15	71.9	69.6
[15 3 -2]	(1 5 0)	(1 -3 3)	3.370	1.547	2.18	67.6	107.7
[15 -3 -8]	(1 5 0)	(1 -3 3)	3.370	1.547	2.18	84.3	117.7
[15 -3 20]	(1 5 0)	(3 -5 -3)	3.370	1.529	2.20	72.1	66.2
[15 -3 10]	(1 5 0)	(3 5 -3)	3.370	1.529	2.20	61.0	84.5

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[5 1 -7]	(1 5 0)	(1 9 2)	3.370	1.514	2.23	53.4	134.3
[15 -3 16]	(1 5 0)	(2 -6 -3)	3.370	1.510	2.23	64.0	73.1
[15 3 4]	(1 5 0)	(2 -6 -3)	3.370	1.510	2.23	59.9	96.4
[5 -1 12]	(1 5 0)	(3 -9 -2)	3.370	1.509	2.23	53.8	45.2
[5 -1 8]	(1 5 0)	(4 -4 -3)	3.370	1.498	2.25	80.3	59.9
[15 -3 16]	(1 5 0)	(4 4 -3)	3.370	1.498	2.25	63.0	73.1
[15 -3 -10]	(1 5 0)	(2 0 3)	3.370	1.482	2.27	79.0	120.8
[5 -1 -2]	(1 5 0)	(0 6 -3)	3.370	1.478	2.28	67.6	114.6
[5 -1 2]	(1 5 0)	(0 6 3)	3.370	1.478	2.28	57.3	92.4
[15 -3 26]	(1 5 0)	(5 -1 -3)	3.370	1.463	2.30	83.2	57.0
[5 -1 8]	(1 5 0)	(5 1 -3)	3.370	1.463	2.30	74.3	59.9
[5 1 0]	(1 5 0)	(1 5 3)	3.370	1.463	2.30	59.1	104.0
[15 -3 -10]	(1 5 0)	(1 -5 3)	3.370	1.463	2.30	75.7	120.8
[15 -3 -8]	(1 5 0)	(2 2 3)	3.370	1.462	2.30	70.1	117.7
[5 -1 -4]	(1 5 0)	(2 -2 3)	3.370	1.462	2.30	87.9	123.6
[15 -3 -2]	(1 5 0)	(1 7 -3)	3.370	1.448	2.33	59.9	107.7
[5 -1 4]	(1 5 0)	(1 -7 -3)	3.370	1.448	2.33	56.6	80.6
[15 -3 28]	(1 5 0)	(5 -3 -3)	3.370	1.426	2.36	88.1	54.3
[15 -3 22]	(1 5 0)	(5 3 -3)	3.370	1.426	2.36	65.7	63.0
[15 -3 22]	(1 5 0)	(3 -7 -3)	3.370	1.412	2.39	64.5	63.0
[15 -3 8]	(1 5 0)	(3 7 -3)	3.370	1.412	2.39	53.5	88.5
[5 -1 -2]	(1 5 0)	(2 4 3)	3.370	1.408	2.39	61.8	114.6
[15 3 -14]	(1 5 0)	(2 4 3)	3.370	1.408	2.39	83.6	126.3
[15 -3 26]	(1 5 0)	(4 -6 -3)	3.370	1.404	2.40	72.3	57.0
[15 3 14]	(1 5 0)	(4 -6 -3)	3.370	1.404	2.40	55.2	76.8
[15 -3 2]	(1 5 0)	(2 8 -3)	3.370	1.381	2.44	53.0	100.2
[5 1 6]	(1 5 0)	(2 8 -3)	3.370	1.381	2.44	57.0	69.6
[5 -1 -7]	(1 5 0)	(4 6 2)	3.370	1.377	2.45	46.9	134.3
[15 3 20]	(1 5 0)	(5 -5 -3)	3.370	1.360	2.48	57.8	66.2
[5 1 10]	(1 5 0)	(5 5 -3)	3.370	1.360	2.48	80.1	51.8
[15 3 2]	(1 5 0)	(1 -7 3)	3.370	1.359	2.48	51.8	100.2
[5 1 -4]	(1 5 0)	(1 7 3)	3.370	1.359	2.48	68.3	123.6
[15 3 -8]	(1 5 0)	(0 8 3)	3.370	1.355	2.49	60.7	117.7
[15 3 8]	(1 5 0)	(0 8 -3)	3.370	1.355	2.49	50.5	88.5
[15 3 -16]	(1 5 0)	(3 1 3)	3.370	1.354	2.49	81.1	128.7
[15 3 -14]	(1 5 0)	(3 -1 3)	3.370	1.354	2.49	72.9	126.3
[5 1 10]	(1 5 0)	(6 0 -3)	3.370	1.344	2.51	76.8	51.8
[15 3 28]	(1 5 0)	(6 -2 -3)	3.370	1.329	2.54	68.7	54.3
[15 3 32]	(1 5 0)	(6 2 -3)	3.370	1.329	2.54	85.0	49.4
[15 3 -4]	(1 5 0)	(2 -6 3)	3.370	1.329	2.54	54.2	111.2
[15 3 -16]	(1 5 0)	(2 6 3)	3.370	1.329	2.54	75.9	128.7
[15 3 -4]	(1 5 0)	(1 -9 -3)	3.370	1.318	2.56	53.6	111.2
[15 3 14]	(1 5 0)	(1 9 -3)	3.370	1.318	2.56	50.4	76.8
[5 1 4]	(1 5 0)	(4 -8 -3)	3.370	1.298	2.60	48.5	80.6
[15 3 28]	(1 5 0)	(4 8 -3)	3.370	1.298	2.60	65.5	54.3

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[5 1 2]	(1 5 0)	(3 -9 -3)	3.370	1.291	2.61	47.3	92.4
[5 -1 8]	(1 5 0)	(3 -9 -3)	3.370	1.291	2.61	58.1	59.9
[15 3 26]	(1 5 0)	(6 -4 -3)	3.370	1.288	2.62	60.9	57.0
[15 3 34]	(1 5 0)	(6 4 -3)	3.370	1.288	2.62	87.2	47.2
[5 1 6]	(1 5 0)	(5 -7 -3)	3.370	1.275	2.64	50.8	69.6
[15 3 32]	(1 5 0)	(5 7 -3)	3.370	1.275	2.64	72.9	49.4
[15 3 -20]	(1 5 0)	(3 5 3)	3.370	1.270	2.65	83.2	133.3
[15 -3 -10]	(1 5 0)	(3 5 3)	3.370	1.270	2.65	57.3	120.8
[5 1 0]	(1 5 0)	(2 -10 -3)	3.370	1.254	2.69	47.4	104.0
[15 -3 20]	(1 5 0)	(2 -10 -3)	3.370	1.254	2.69	51.3	66.2
[15 3 4]	(1 5 0)	(1 -9 3)	3.370	1.250	2.70	45.7	96.4
[15 -3 -14]	(1 5 0)	(1 -9 3)	3.370	1.250	2.70	62.0	126.3
[2 1 0]	(2 4 0)	(0 0 1)	3.270	5.092	.64	79.8	101.0
[2 -1 3]	(2 4 0)	(1 -1 -1)	3.270	4.876	.67	89.2	67.7
[2 1 1]	(2 4 0)	(1 -1 -1)	3.270	4.876	.67	67.7	89.6
[2 -1 2]	(2 4 0)	(0 2 1)	3.270	4.433	.74	59.2	78.2
[2 -1 -2]	(2 4 0)	(0 2 -1)	3.270	4.433	.74	78.3	120.8
[2 1 4]	(2 4 0)	(2 0 -1)	3.270	4.032	.81	63.7	58.6
[2 -1 -1]	(2 4 0)	(1 1 1)	3.270	3.972	.82	54.1	111.6
[2 -1 -3]	(2 4 0)	(1 -1 1)	3.270	3.972	.82	74.6	128.6
[2 -1 5]	(2 4 0)	(1 -3 -1)	3.270	3.872	.84	71.2	50.9
[2 1 -1]	(2 4 0)	(1 -3 -1)	3.270	3.872	.84	52.2	111.6
[2 1 2]	(2 4 0)	(2 -2 -1)	3.270	3.680	.89	45.5	78.2
[2 1 -4]	(2 4 0)	(0 4 1)	3.270	3.374	.97	64.8	135.0
[2 -1 4]	(2 4 0)	(0 4 1)	3.270	3.374	.97	48.6	58.6
[2 -1 -4]	(2 4 0)	(2 0 1)	3.270	3.099	1.06	56.2	135.0
[2 -1 5]	(2 4 0)	(3 1 -1)	3.270	3.025	1.08	47.7	50.9
[2 -1 -3]	(2 4 0)	(1 5 -1)	3.270	2.937	1.11	45.5	128.6
[4 -2 3]	(2 4 0)	(1 -1 -2)	3.270	2.607	1.25	84.4	83.8
[4 2 1]	(2 4 0)	(1 -1 -2)	3.270	2.607	1.25	83.6	95.3
[2 1 2]	(2 4 0)	(2 0 -2)	3.270	2.533	1.29	79.0	78.2
[2 -1 -1]	(2 4 0)	(0 2 -2)	3.270	2.450	1.33	88.5	111.6
[2 1 1]	(2 4 0)	(0 2 -2)	3.270	2.450	1.33	68.4	89.6
[4 2 -1]	(2 4 0)	(1 -3 -2)	3.270	2.413	1.36	72.7	106.4
[4 2 5]	(2 4 0)	(1 3 -2)	3.270	2.413	1.36	73.4	72.8
[4 -2 -1]	(2 4 0)	(1 1 2)	3.270	2.296	1.42	65.3	106.4
[4 2 -3]	(2 4 0)	(1 1 2)	3.270	2.296	1.42	76.5	116.4
[4 2 5]	(2 4 0)	(3 -1 -2)	3.270	2.276	1.44	64.7	72.8
[4 -2 7]	(2 4 0)	(3 -1 -2)	3.270	2.276	1.44	75.9	63.0
[2 1 0]	(2 4 0)	(2 -4 -2)	3.270	2.208	1.48	58.6	101.0
[2 -1 4]	(2 4 0)	(2 -4 -2)	3.270	2.208	1.48	79.0	58.6
[4 2 -5]	(2 4 0)	(1 3 2)	3.270	2.160	1.51	87.4	124.9
[4 -2 1]	(2 4 0)	(1 3 2)	3.270	2.160	1.51	55.4	95.3
[4 -2 9]	(2 4 0)	(3 -3 -2)	3.270	2.144	1.53	86.7	54.6

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[4 2 3]	(2 4 0)	(3 -3 -2)	3.270	2.144	1.53	54.9	83.8
[4 2 7]	(2 4 0)	(1 5 -2)	3.270	2.127	1.54	65.0	63.0
[4 -2 -3]	(2 4 0)	(1 5 -2)	3.270	2.127	1.54	64.3	116.4
[2 1 -2]	(2 4 0)	(2 0 2)	3.270	2.036	1.61	64.1	120.8
[2 1 5]	(2 4 0)	(4 2 -2)	3.270	1.967	1.66	74.1	50.9
[2 -1 3]	(2 4 0)	(4 2 -2)	3.270	1.967	1.66	53.8	67.7
[4 2 -7]	(2 4 0)	(1 5 2)	3.270	1.947	1.68	83.4	131.9
[4 -2 3]	(2 4 0)	(1 5 2)	3.270	1.947	1.68	48.0	83.8
[2 1 -3]	(2 4 0)	(0 6 2)	3.270	1.942	1.68	70.5	128.6
[2 1 3]	(2 4 0)	(0 6 -2)	3.270	1.942	1.68	52.8	67.7
[4 2 11]	(2 4 0)	(3 5 -2)	3.270	1.936	1.69	84.0	47.6
[4 -2 1]	(2 4 0)	(3 5 -2)	3.270	1.936	1.69	47.5	95.3
[2 1 0]	(2 4 0)	(2 -4 2)	3.270	1.855	1.76	45.8	101.0
[2 1 -4]	(2 4 0)	(2 4 2)	3.270	1.855	1.76	84.3	135.0
[4 2 -5]	(2 4 0)	(1 -7 -2)	3.270	1.841	1.78	58.4	124.9
[4 -2 9]	(2 4 0)	(1 -7 -2)	3.270	1.841	1.78	59.1	54.6
[4 -2 -5]	(2 4 0)	(3 1 2)	3.270	1.765	1.85	54.7	124.9
[4 -2 -7]	(2 4 0)	(3 -1 2)	3.270	1.765	1.85	64.2	131.9
[4 2 11]	(2 4 0)	(5 1 -2)	3.270	1.748	1.87	63.9	47.6
[4 -2 9]	(2 4 0)	(5 1 -2)	3.270	1.748	1.87	54.5	54.6
[6 -3 4]	(2 4 0)	(2 0 -3)	3.270	1.748	1.87	86.0	85.7
[6 -3 1]	(2 4 0)	(1 1 -3)	3.270	1.743	1.88	89.2	97.2
[2 -1 1]	(2 4 0)	(1 -1 -3)	3.270	1.743	1.88	82.7	89.6
[2 1 2]	(2 4 0)	(2 2 -3)	3.270	1.716	1.91	86.0	78.2
[6 3 2]	(2 4 0)	(2 -2 -3)	3.270	1.716	1.91	78.0	93.4
[4 -2 -3]	(2 4 0)	(3 3 2)	3.270	1.701	1.92	46.1	116.4
[4 2 7]	(2 4 0)	(5 -3 -2)	3.270	1.685	1.94	45.9	63.0
[2 1 -2]	(2 4 0)	(2 -8 -2)	3.270	1.683	1.94	48.0	120.8
[6 3 5]	(2 4 0)	(3 -1 -3)	3.270	1.681	1.95	75.1	81.9
[6 3 7]	(2 4 0)	(3 1 -3)	3.270	1.681	1.95	83.0	74.6
[6 3 -1]	(2 4 0)	(1 -3 -3)	3.270	1.681	1.95	81.4	104.6
[6 3 5]	(2 4 0)	(1 3 -3)	3.270	1.681	1.95	75.1	81.9
[6 3 2]	(2 4 0)	(0 2 -3)	3.270	1.668	1.96	72.0	93.4
[6 3 -2]	(2 4 0)	(0 2 3)	3.270	1.668	1.96	87.7	108.2
[6 3 8]	(2 4 0)	(2 4 -3)	3.270	1.629	2.01	78.6	71.1
[2 1 0]	(2 4 0)	(2 -4 -3)	3.270	1.629	2.01	70.9	101.0
[6 3 -1]	(2 4 0)	(1 -1 3)	3.270	1.595	2.05	69.7	104.6
[2 -1 -1]	(2 4 0)	(1 -1 3)	3.270	1.595	2.05	77.4	111.6
[4 2 -7]	(2 4 0)	(1 -9 -2)	3.270	1.594	2.05	54.4	131.9
[4 2 11]	(2 4 0)	(1 9 -2)	3.270	1.594	2.05	55.0	47.6
[6 3 8]	(2 4 0)	(4 0 -3)	3.270	1.589	2.06	72.9	71.1
[6 3 4]	(2 4 0)	(0 4 -3)	3.270	1.588	2.06	65.0	85.7
[6 3 -4]	(2 4 0)	(0 4 3)	3.270	1.588	2.06	84.8	114.8
[6 3 7]	(2 4 0)	(1 5 -3)	3.270	1.575	2.08	68.4	74.6
[2 1 -1]	(2 4 0)	(1 -5 -3)	3.270	1.575	2.08	74.5	111.6

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[6 3 10]	(2 4 0)	(4 2 -3)	3.270	1.564	2.09	80.6	64.5
[2 -1 2]	(2 4 0)	(4 2 -3)	3.270	1.564	2.09	65.5	78.2
[6 3 1]	(2 4 0)	(1 -3 3)	3.270	1.547	2.11	62.6	97.2
[6 -3 -5]	(2 4 0)	(1 -3 3)	3.270	1.547	2.11	85.0	117.9
[6 -3 11]	(2 4 0)	(3 -5 -3)	3.270	1.529	2.14	82.2	61.5
[6 -3 1]	(2 4 0)	(3 5 -3)	3.270	1.529	2.14	61.3	97.2
[2 -1 -3]	(2 4 0)	(4 2 2)	3.270	1.527	2.14	47.8	128.6
[6 -3 10]	(2 4 0)	(2 -6 -3)	3.270	1.510	2.16	72.3	64.5
[6 3 -2]	(2 4 0)	(2 -6 -3)	3.270	1.510	2.16	64.8	108.2
[2 -1 4]	(2 4 0)	(4 -4 -3)	3.270	1.498	2.18	88.0	58.6
[6 -3 4]	(2 4 0)	(4 4 -3)	3.270	1.498	2.18	58.8	85.7
[6 -3 -4]	(2 4 0)	(2 0 3)	3.270	1.482	2.21	68.3	114.8
[2 -1 -2]	(2 4 0)	(0 6 -3)	3.270	1.478	2.21	78.3	120.8
[2 -1 2]	(2 4 0)	(0 6 3)	3.270	1.478	2.21	59.2	78.2
[2 -1 5]	(2 4 0)	(0 10 2)	3.270	1.471	2.22	46.0	50.9
[6 -3 11]	(2 4 0)	(5 -1 -3)	3.270	1.463	2.23	71.5	61.5
[2 -1 3]	(2 4 0)	(5 1 -3)	3.270	1.463	2.23	64.2	67.7
[2 -1 1]	(2 4 0)	(1 5 3)	3.270	1.463	2.23	56.4	89.6
[6 -3 -7]	(2 4 0)	(1 -5 3)	3.270	1.463	2.23	87.9	123.6
[6 -3 -2]	(2 4 0)	(2 2 3)	3.270	1.462	2.24	61.2	108.2
[2 -1 -2]	(2 4 0)	(2 -2 3)	3.270	1.462	2.24	75.7	120.8
[6 -3 -5]	(2 4 0)	(1 7 -3)	3.270	1.448	2.26	68.8	117.9
[2 -1 3]	(2 4 0)	(1 -7 -3)	3.270	1.448	2.26	62.9	67.7
[6 -3 13]	(2 4 0)	(5 -3 -3)	3.270	1.426	2.29	78.8	55.9
[6 -3 7]	(2 4 0)	(5 3 -3)	3.270	1.426	2.29	57.4	74.6
[6 -3 13]	(2 4 0)	(3 -7 -3)	3.270	1.412	2.32	76.2	55.9
[6 -3 -1]	(2 4 0)	(3 7 -3)	3.270	1.412	2.32	56.2	104.6
[2 1 0]	(2 4 0)	(2 4 3)	3.270	1.408	2.32	54.7	101.0
[6 3 -8]	(2 4 0)	(2 4 3)	3.270	1.408	2.32	82.9	126.1
[6 -3 14]	(2 4 0)	(4 -6 -3)	3.270	1.404	2.33	85.4	53.3
[6 3 2]	(2 4 0)	(4 -6 -3)	3.270	1.404	2.33	53.2	93.4
[6 -3 -4]	(2 4 0)	(2 8 -3)	3.270	1.381	2.37	60.0	114.8
[2 1 4]	(2 4 0)	(2 8 -3)	3.270	1.381	2.37	67.1	58.6
[6 3 5]	(2 4 0)	(5 -5 -3)	3.270	1.360	2.40	51.4	81.9
[2 1 5]	(2 4 0)	(5 5 -3)	3.270	1.360	2.40	85.6	50.9
[6 3 5]	(2 4 0)	(1 -7 3)	3.270	1.359	2.41	51.4	81.9
[2 1 -3]	(2 4 0)	(1 7 3)	3.270	1.359	2.41	81.8	128.6
[6 3 -8]	(2 4 0)	(0 8 3)	3.270	1.355	2.41	72.8	126.1
[6 3 8]	(2 4 0)	(0 8 -3)	3.270	1.355	2.41	54.7	71.1
[6 3 -7]	(2 4 0)	(3 1 3)	3.270	1.354	2.42	67.6	123.6
[6 3 -5]	(2 4 0)	(3 -1 3)	3.270	1.354	2.42	60.7	117.9
[2 1 4]	(2 4 0)	(6 0 -3)	3.270	1.344	2.43	63.7	58.6
[6 3 10]	(2 4 0)	(6 -2 -3)	3.270	1.329	2.46	57.0	64.5
[6 3 14]	(2 4 0)	(6 2 -3)	3.270	1.329	2.46	70.7	53.3
[6 3 2]	(2 4 0)	(2 -6 3)	3.270	1.329	2.46	49.3	93.4

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[6 3 -10]	(2 4 0)	(2 6 3)	3.270	1.329	2.46	89.4	130.8
[6 3 -7]	(2 4 0)	(1 -9 -3)	3.270	1.318	2.48	64.2	123.6
[6 3 11]	(2 4 0)	(1 9 -3)	3.270	1.318	2.48	58.7	61.5
[2 1 0]	(2 4 0)	(4 -8 -3)	3.270	1.298	2.52	48.8	101.0
[6 3 16]	(2 4 0)	(4 8 -3)	3.270	1.298	2.52	79.7	48.7
[2 1 -1]	(2 4 0)	(3 -9 -3)	3.270	1.291	2.53	52.2	111.6
[2 -1 5]	(2 4 0)	(3 -9 -3)	3.270	1.291	2.53	71.2	50.9
[6 3 8]	(2 4 0)	(6 -4 -3)	3.270	1.288	2.54	50.8	71.1
[6 3 16]	(2 4 0)	(6 4 -3)	3.270	1.288	2.54	77.5	48.7
[2 1 1]	(2 4 0)	(5 -7 -3)	3.270	1.275	2.56	46.6	89.6
[6 3 17]	(2 4 0)	(5 7 -3)	3.270	1.275	2.56	88.2	46.6
[6 3 -11]	(2 4 0)	(3 5 3)	3.270	1.270	2.57	81.2	133.0
[6 -3 -1]	(2 4 0)	(3 5 3)	3.270	1.270	2.57	48.4	104.6
[2 1 -2]	(2 4 0)	(2 -10 -3)	3.270	1.254	2.61	56.2	120.8
[6 -3 14]	(2 4 0)	(2 -10 -3)	3.270	1.254	2.61	62.9	53.3
[6 3 7]	(2 4 0)	(1 -9 3)	3.270	1.250	2.62	47.6	74.6
[6 -3 -11]	(2 4 0)	(1 -9 3)	3.270	1.250	2.62	76.6	133.0
[1 3 0]	(3 1 0)	(0 0 1)	3.121	5.092	.61	75.3	92.6
[1 -3 4]	(3 1 0)	(1 -1 -1)	3.121	4.876	.64	77.6	71.3
[1 3 -2]	(3 1 0)	(1 -1 -1)	3.121	4.876	.64	72.0	103.4
[1 -3 6]	(3 1 0)	(0 2 1)	3.121	4.433	.70	72.2	62.1
[1 -3 -6]	(3 1 0)	(0 2 -1)	3.121	4.433	.70	82.2	121.9
[1 3 2]	(3 1 0)	(2 0 -1)	3.121	4.032	.77	50.6	81.7
[1 -3 2]	(3 1 0)	(1 1 1)	3.121	3.972	.79	49.6	81.7
[1 -3 -4]	(3 1 0)	(1 -1 1)	3.121	3.972	.79	55.1	113.3
[1 -3 10]	(3 1 0)	(1 -3 -1)	3.121	3.872	.81	84.5	47.6
[1 3 -8]	(3 1 0)	(1 -3 -1)	3.121	3.872	.81	71.4	129.2
[1 3 -4]	(3 1 0)	(2 -2 -1)	3.121	3.680	.85	49.5	113.3
[1 -3 8]	(3 1 0)	(2 -2 -1)	3.121	3.680	.85	59.5	54.2
[1 3 8]	(3 1 0)	(1 -3 1)	3.121	3.371	.93	52.1	54.2
[1 3 -8]	(3 1 0)	(2 2 1)	3.121	2.930	1.07	45.8	129.2
[1 -3 2]	(3 1 0)	(1 -1 -2)	3.121	2.607	1.20	89.1	81.7
[1 3 -1]	(3 1 0)	(1 -1 -2)	3.121	2.607	1.20	88.0	98.1
[1 3 1]	(3 1 0)	(2 0 -2)	3.121	2.533	1.23	74.2	87.2
[1 -3 -3]	(3 1 0)	(0 2 -2)	3.121	2.450	1.27	78.6	108.5
[1 3 3]	(3 1 0)	(0 2 -2)	3.121	2.450	1.27	73.0	76.4
[1 3 -4]	(3 1 0)	(1 -3 -2)	3.121	2.413	1.29	85.5	113.3
[1 3 5]	(3 1 0)	(1 3 -2)	3.121	2.413	1.29	86.5	66.5
[1 -3 1]	(3 1 0)	(1 1 2)	3.121	2.296	1.36	60.7	87.2
[1 3 -2]	(3 1 0)	(1 1 2)	3.121	2.296	1.36	63.6	103.4
[1 3 0]	(3 1 0)	(3 -1 -2)	3.121	2.276	1.37	59.9	92.6
[1 -3 3]	(3 1 0)	(3 -1 -2)	3.121	2.276	1.37	62.7	76.4
[1 3 -5]	(3 1 0)	(2 -4 -2)	3.121	2.208	1.41	71.2	117.8
[1 -3 7]	(3 1 0)	(2 -4 -2)	3.121	2.208	1.41	81.2	58.0

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[1 3 -5]	(3 1 0)	(1 3 2)	3.121	2.160	1.45	67.9	117.8
[1 -3 4]	(3 1 0)	(1 3 2)	3.121	2.160	1.45	59.9	71.3
[1 -3 6]	(3 1 0)	(3 -3 -2)	3.121	2.144	1.46	67.0	62.1
[1 3 -3]	(3 1 0)	(3 -3 -2)	3.121	2.144	1.46	59.1	108.5
[1 3 8]	(3 1 0)	(1 5 -2)	3.121	2.127	1.47	84.6	54.2
[1 -3 -7]	(3 1 0)	(1 5 -2)	3.121	2.127	1.47	83.7	125.7
[1 3 -1]	(3 1 0)	(2 0 2)	3.121	2.036	1.53	51.3	98.1
[1 3 5]	(3 1 0)	(4 2 -2)	3.121	1.967	1.59	54.5	66.5
[1 -3 -1]	(3 1 0)	(4 2 -2)	3.121	1.967	1.59	49.0	98.1
[1 3 -8]	(3 1 0)	(1 5 2)	3.121	1.947	1.60	72.4	129.2
[1 -3 7]	(3 1 0)	(1 5 2)	3.121	1.947	1.60	60.7	58.0
[1 3 -9]	(3 1 0)	(0 6 2)	3.121	1.942	1.61	85.3	132.3
[1 3 9]	(3 1 0)	(0 6 -2)	3.121	1.942	1.61	72.2	50.7
[1 3 9]	(3 1 0)	(3 5 -2)	3.121	1.936	1.61	71.6	50.7
[1 -3 -6]	(3 1 0)	(3 5 -2)	3.121	1.936	1.61	59.9	121.9
[1 3 5]	(3 1 0)	(2 -4 2)	3.121	1.855	1.68	50.1	66.5
[1 3 -7]	(3 1 0)	(2 4 2)	3.121	1.855	1.68	60.1	125.7
[3 -9 2]	(3 1 0)	(2 0 -3)	3.121	1.748	1.79	84.2	89.0
[3 -9 -2]	(3 1 0)	(1 1 -3)	3.121	1.743	1.79	86.4	96.3
[3 -9 4]	(3 1 0)	(1 -1 -3)	3.121	1.743	1.79	84.4	85.3
[1 3 10]	(3 1 0)	(1 -7 2)	3.121	1.721	1.81	62.2	47.6
[3 9 8]	(3 1 0)	(2 2 -3)	3.121	1.716	1.82	86.2	78.2
[3 9 -4]	(3 1 0)	(2 -2 -3)	3.121	1.716	1.82	82.4	99.9
[1 3 -9]	(3 1 0)	(3 -7 -2)	3.121	1.713	1.82	61.5	132.3
[1 3 -6]	(3 1 0)	(3 3 2)	3.121	1.701	1.83	49.5	121.9
[1 3 7]	(3 1 0)	(5 3 -2)	3.121	1.685	1.85	49.0	58.0
[1 3 0]	(3 1 0)	(3 -1 -3)	3.121	1.681	1.86	73.3	92.6
[1 3 2]	(3 1 0)	(3 1 -3)	3.121	1.681	1.86	75.2	81.7
[3 9 -8]	(3 1 0)	(1 -3 -3)	3.121	1.681	1.86	88.3	106.8
[3 9 10]	(3 1 0)	(1 3 -3)	3.121	1.681	1.86	82.8	74.7
[1 -3 -7]	(3 1 0)	(4 6 -2)	3.121	1.674	1.86	51.5	125.7
[1 3 2]	(3 1 0)	(0 2 -3)	3.121	1.668	1.87	73.6	81.7
[1 3 -2]	(3 1 0)	(0 2 3)	3.121	1.668	1.87	77.4	103.4
[3 9 14]	(3 1 0)	(2 4 -3)	3.121	1.629	1.92	88.2	68.1
[3 9 -10]	(3 1 0)	(2 -4 -3)	3.121	1.629	1.92	81.0	110.1
[3 9 2]	(3 1 0)	(1 -1 3)	3.121	1.595	1.96	65.2	89.0
[3 -9 -4]	(3 1 0)	(1 -1 3)	3.121	1.595	1.96	67.1	99.9
[1 3 -9]	(3 1 0)	(3 5 2)	3.121	1.591	1.96	54.8	132.3
[3 9 4]	(3 1 0)	(4 0 -3)	3.121	1.589	1.96	65.1	85.3
[1 3 4]	(3 1 0)	(0 4 -3)	3.121	1.588	1.97	72.6	71.3
[1 3 -4]	(3 1 0)	(0 4 3)	3.121	1.588	1.97	79.8	113.3
[1 3 10]	(3 1 0)	(5 5 -2)	3.121	1.579	1.98	54.2	47.6
[3 9 16]	(3 1 0)	(1 5 -3)	3.121	1.575	1.98	81.5	65.0
[3 9 -14]	(3 1 0)	(1 -5 -3)	3.121	1.575	1.98	89.8	116.3
[3 9 10]	(3 1 0)	(4 2 -3)	3.121	1.564	2.00	67.4	74.7

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis(°)
[3 -9 -2]	(3 1 0)	(4 2 -3)	3.121	1.564	2.00	63.6	96.3
[3 9 8]	(3 1 0)	(1 -3 3)	3.121	1.547	2.02	64.1	78.2
[3 -9 -10]	(3 1 0)	(1 -3 3)	3.121	1.547	2.02	69.7	110.1
[1 -3 6]	(3 1 0)	(3 -5 -3)	3.121	1.529	2.04	80.0	62.1
[1 -3 -4]	(3 1 0)	(3 5 -3)	3.121	1.529	2.04	71.4	113.3
[3 -9 20]	(3 1 0)	(2 -6 -3)	3.121	1.510	2.07	90.0	59.3
[3 9 -16]	(3 1 0)	(2 -6 -3)	3.121	1.510	2.07	80.0	119.2
[3 -9 16]	(3 1 0)	(4 -4 -3)	3.121	1.498	2.08	70.2	65.0
[3 -9 -8]	(3 1 0)	(4 4 -3)	3.121	1.498	2.08	63.0	106.8
[3 -9 -2]	(3 1 0)	(2 0 3)	3.121	1.482	2.11	58.1	96.3
[1 -3 -6]	(3 1 0)	(0 6 -3)	3.121	1.478	2.11	82.2	121.9
[1 -3 6]	(3 1 0)	(0 6 3)	3.121	1.478	2.11	72.2	62.1
[3 -9 8]	(3 1 0)	(5 -1 -3)	3.121	1.463	2.13	58.3	78.2
[3 -9 2]	(3 1 0)	(5 1 -3)	3.121	1.463	2.13	56.4	89.0
[3 -9 14]	(3 1 0)	(1 5 3)	3.121	1.463	2.13	63.8	68.1
[3 -9 -16]	(3 1 0)	(1 -5 3)	3.121	1.463	2.13	72.5	119.2
[3 -9 4]	(3 1 0)	(2 2 3)	3.121	1.462	2.13	56.6	85.3
[3 -9 -8]	(3 1 0)	(2 -2 3)	3.121	1.462	2.13	60.4	106.8
[1 -3 9]	(3 1 0)	(3 7 2)	3.121	1.461	2.14	45.7	50.7
[1 3 9]	(3 1 0)	(6 4 -2)	3.121	1.453	2.15	45.4	50.7
[1 -3 -8]	(3 1 0)	(5 7 -2)	3.121	1.451	2.15	45.2	129.2
[3 -9 -20]	(3 1 0)	(1 7 -3)	3.121	1.448	2.16	88.2	124.5
[3 -9 22]	(3 1 0)	(1 -7 -3)	3.121	1.448	2.16	80.6	56.7
[3 -9 14]	(3 1 0)	(5 -3 -3)	3.121	1.426	2.19	61.0	68.1
[3 -9 -4]	(3 1 0)	(5 3 -3)	3.121	1.426	2.19	55.5	99.9
[1 -3 8]	(3 1 0)	(3 -7 -3)	3.121	1.412	2.21	82.4	54.2
[1 -3 -6]	(3 1 0)	(3 7 -3)	3.121	1.412	2.21	71.2	121.9
[3 -9 10]	(3 1 0)	(2 4 3)	3.121	1.408	2.22	56.2	74.7
[3 9 -14]	(3 1 0)	(2 4 3)	3.121	1.408	2.22	63.4	116.3
[3 -9 22]	(3 1 0)	(4 -6 -3)	3.121	1.404	2.22	73.1	56.7
[3 9 -14]	(3 1 0)	(4 -6 -3)	3.121	1.404	2.22	63.1	116.3
[3 -9 -22]	(3 1 0)	(2 8 -3)	3.121	1.381	2.26	79.3	126.9
[3 9 26]	(3 1 0)	(2 8 -3)	3.121	1.381	2.26	88.5	51.8
[3 9 -10]	(3 1 0)	(5 -5 -3)	3.121	1.360	2.30	55.5	110.1
[3 9 20]	(3 1 0)	(5 5 -3)	3.121	1.360	2.30	64.2	59.3
[3 9 20]	(3 1 0)	(1 -7 3)	3.121	1.359	2.30	64.2	59.3
[3 9 -22]	(3 1 0)	(1 7 3)	3.121	1.359	2.30	75.4	126.9
[1 3 -8]	(3 1 0)	(0 8 3)	3.121	1.355	2.30	84.3	129.2
[1 3 8]	(3 1 0)	(0 8 -3)	3.121	1.355	2.30	72.1	54.2
[1 3 -2]	(3 1 0)	(3 1 3)	3.121	1.354	2.31	52.4	103.4
[1 3 0]	(3 1 0)	(3 -1 3)	3.121	1.354	2.31	50.5	92.6
[1 3 2]	(3 1 0)	(6 0 -3)	3.121	1.344	2.32	50.6	81.7
[1 3 0]	(3 1 0)	(6 -2 -3)	3.121	1.329	2.35	49.2	92.6
[1 3 4]	(3 1 0)	(6 2 -3)	3.121	1.329	2.35	53.0	71.3
[3 9 16]	(3 1 0)	(2 -6 3)	3.121	1.329	2.35	56.6	65.0

(JCPDS 13-437: a 9.84Å b 18.02Å c 5.27Å α 90° β 104.90° γ 90°, Monoclinic)[Space Group C2/m permits only $(h+k)=2n$ diffractions]

Zone Axis	(h k 0)	(h k l)	$d(hk0)$	$d(hkl)$	(hk0)/(hkl)	θ	To C-Axis(°)
[3 9 -20]	(3 1 0)	(2 6 3)	3.121	1.329	2.35	66.6	124.5
[3 9 -26]	(3 1 0)	(1 -9 -3)	3.121	1.318	2.37	86.9	131.3
[3 9 28]	(3 1 0)	(1 9 -3)	3.121	1.318	2.37	79.9	49.6
[3 9 -20]	(3 1 0)	(4 -8 -3)	3.121	1.298	2.40	63.7	124.5
[3 9 28]	(3 1 0)	(4 8 -3)	3.121	1.298	2.40	75.9	49.6
[1 3 -8]	(3 1 0)	(3 -9 -3)	3.121	1.291	2.42	71.4	129.2
[1 -3 10]	(3 1 0)	(3 -9 -3)	3.121	1.291	2.42	84.5	47.6
[1 3 -2]	(3 1 0)	(6 -4 -3)	3.121	1.288	2.42	48.9	103.4
[1 3 6]	(3 1 0)	(6 4 -3)	3.121	1.288	2.42	56.1	62.1
[3 9 -16]	(3 1 0)	(5 -7 -3)	3.121	1.275	2.45	56.3	119.2
[3 9 26]	(3 1 0)	(5 7 -3)	3.121	1.275	2.45	67.4	51.8
[1 3 -6]	(3 1 0)	(3 5 3)	3.121	1.270	2.46	58.4	121.9
[1 -3 4]	(3 1 0)	(3 5 3)	3.121	1.270	2.46	49.8	71.3
[3 9 -28]	(3 1 0)	(2 -10 -3)	3.121	1.254	2.49	78.9	133.3
[3 -9 32]	(3 1 0)	(2 -10 -3)	3.121	1.254	2.49	87.2	45.6
[3 9 26]	(3 1 0)	(1 -9 3)	3.121	1.250	2.50	64.9	51.8
[3 -9 -28]	(3 1 0)	(1 -9 3)	3.121	1.250	2.50	78.0	133.3

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[1 0 0]	(0 2 0)	(0 0 1)	9.012	5.122	1.76	90.0	104.4
[1 0 1]	(0 2 0)	(1 1 -1)	9.012	4.880	1.85	74.3	73.5
[1 0 0]	(0 2 0)	(0 2 1)	9.012	4.453	2.02	60.4	104.4
[1 0 2]	(0 2 0)	(2 0 -1)	9.012	4.031	2.24	90.0	49.7
[1 0 -1]	(0 2 0)	(1 1 1)	9.012	4.008	2.25	77.2	129.0
[1 0 1]	(0 2 0)	(1 -3 -1)	9.012	3.875	2.33	49.8	73.5
[1 0 2]	(0 2 0)	(2 -2 -1)	9.012	3.680	2.45	65.9	49.7
[1 0 -1]	(0 2 0)	(1 3 1)	9.012	3.393	2.66	55.6	129.0
[1 0 2]	(0 2 0)	(2 -4 -1)	9.012	3.004	3.00	48.2	49.7
[2 0 1]	(0 2 0)	(1 1 -2)	9.012	2.615	3.45	81.7	88.9
[1 0 1]	(0 2 0)	(2 0 -2)	9.012	2.535	3.56	90.0	73.5
[1 0 0]	(0 2 0)	(0 2 2)	9.012	2.463	3.66	74.1	104.4
[2 0 1]	(0 2 0)	(1 3 -2)	9.012	2.419	3.72	66.3	88.9
[2 0 -1]	(0 2 0)	(1 -1 2)	9.012	2.314	3.89	82.6	118.0
[2 0 3]	(0 2 0)	(3 1 -2)	9.012	2.276	3.96	82.7	60.2
[1 0 1]	(0 2 0)	(2 4 -2)	9.012	2.209	4.08	60.6	73.5
[2 0 -1]	(0 2 0)	(1 3 2)	9.012	2.175	4.14	68.8	118.0
[2 0 3]	(0 2 0)	(3 -3 -2)	9.012	2.143	4.20	69.1	60.2
[2 0 1]	(0 2 0)	(1 -5 -2)	9.012	2.132	4.23	53.7	88.9
[1 0 -1]	(0 2 0)	(2 0 2)	9.012	2.055	4.38	90.0	129.0
[1 0 2]	(0 2 0)	(4 2 -2)	9.012	1.967	4.58	77.4	49.7
[2 0 -1]	(0 2 0)	(1 5 2)	9.012	1.959	4.60	57.1	118.0
[1 0 0]	(0 2 0)	(0 6 2)	9.012	1.949	4.62	49.6	104.4
[2 0 3]	(0 2 0)	(3 5 -2)	9.012	1.936	4.66	57.5	60.2
[1 0 -1]	(0 2 0)	(2 -4 2)	9.012	1.870	4.82	65.5	129.0
[3 0 2]	(0 2 0)	(2 0 -3)	9.012	1.752	5.15	90.0	83.6
[3 0 1]	(0 2 0)	(1 1 -3)	9.012	1.750	5.15	84.4	94.1
[2 0 -1]	(0 2 0)	(1 7 2)	9.012	1.729	5.21	47.8	118.0
[3 0 2]	(0 2 0)	(2 -2 -3)	9.012	1.719	5.24	79.0	83.6
[2 0 3]	(0 2 0)	(3 7 -2)	9.012	1.713	5.26	48.3	60.2
[3 0 1]	(0 2 0)	(1 -3 -3)	9.012	1.687	5.34	73.7	94.1
[1 0 1]	(0 2 0)	(3 -1 -3)	9.012	1.683	5.36	84.6	73.5
[1 0 0]	(0 2 0)	(0 2 3)	9.012	1.677	5.37	79.3	104.4
[1 0 2]	(0 2 0)	(4 -6 -2)	9.012	1.674	5.38	56.1	49.7
[3 0 2]	(0 2 0)	(2 -4 -3)	9.012	1.633	5.52	68.8	83.6
[3 0 -1]	(0 2 0)	(1 -1 3)	9.012	1.607	5.61	84.9	113.8
[1 0 0]	(0 2 0)	(0 4 3)	9.012	1.597	5.64	69.2	104.4
[3 0 4]	(0 2 0)	(4 0 -3)	9.012	1.589	5.67	90.0	64.3
[3 0 1]	(0 2 0)	(1 -5 -3)	9.012	1.580	5.70	64.0	94.1
[3 0 4]	(0 2 0)	(4 2 -3)	9.012	1.565	5.76	80.0	64.3
[3 0 -1]	(0 2 0)	(1 3 3)	9.012	1.558	5.79	75.0	113.8
[1 0 1]	(0 2 0)	(3 5 -3)	9.012	1.530	5.89	64.9	73.5
[1 0 -1]	(0 2 0)	(2 8 2)	9.012	1.518	5.93	47.6	129.0
[3 0 2]	(0 2 0)	(2 -6 -3)	9.012	1.513	5.96	59.8	83.6
[3 0 4]	(0 2 0)	(4 -4 -3)	9.012	1.498	6.01	70.6	64.3

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[3 0 -2]	(0 2 0)	(2 0 3)	9.012	1.495	6.03	90.0	122.0
[1 0 0]	(0 2 0)	(0 6 3)	9.012	1.484	6.07	60.4	104.4
[3 0 -2]	(0 2 0)	(2 -2 3)	9.012	1.475	6.11	80.6	122.0
[3 0 -1]	(0 2 0)	(1 5 3)	9.012	1.472	6.12	65.9	113.8
[3 0 5]	(0 2 0)	(5 1 -3)	9.012	1.463	6.16	85.3	56.4
[3 0 1]	(0 2 0)	(1 -7 -3)	9.012	1.452	6.21	55.7	94.1
[3 0 5]	(0 2 0)	(5 3 -3)	9.012	1.426	6.32	76.3	56.4
[3 0 -2]	(0 2 0)	(2 4 3)	9.012	1.419	6.35	71.6	122.0
[1 0 1]	(0 2 0)	(3 7 -3)	9.012	1.413	6.38	56.7	73.5
[3 0 4]	(0 2 0)	(4 -6 -3)	9.012	1.404	6.42	62.1	64.3
[3 0 2]	(0 2 0)	(2 8 -3)	9.012	1.383	6.52	52.1	83.6
[3 0 -1]	(0 2 0)	(1 -7 3)	9.012	1.367	6.59	57.9	113.8
[1 0 -1]	(0 2 0)	(3 -1 3)	9.012	1.366	6.60	85.7	129.0
[1 0 0]	(0 2 0)	(0 8 -3)	9.012	1.361	6.62	52.8	104.4
[3 0 5]	(0 2 0)	(5 5 -3)	9.012	1.360	6.63	67.8	56.4
[1 0 2]	(0 2 0)	(6 0 -3)	9.012	1.344	6.71	90.0	49.7
[3 0 -2]	(0 2 0)	(2 6 3)	9.012	1.338	6.73	63.5	122.0
[1 0 2]	(0 2 0)	(6 2 -3)	9.012	1.329	6.78	81.5	49.7
[3 0 1]	(0 2 0)	(1 -9 -3)	9.012	1.321	6.82	48.7	94.1
[3 0 4]	(0 2 0)	(4 8 -3)	9.012	1.298	6.94	54.8	64.3
[1 0 1]	(0 2 0)	(3 9 -3)	9.012	1.292	6.98	49.8	73.5
[1 0 2]	(0 2 0)	(6 4 -3)	9.012	1.288	7.00	73.4	49.7
[1 0 -1]	(0 2 0)	(3 5 3)	9.012	1.281	7.04	69.2	129.0
[3 0 5]	(0 2 0)	(5 7 -3)	9.012	1.275	7.07	60.3	56.4
[3 0 -1]	(0 2 0)	(1 9 3)	9.012	1.256	7.17	51.2	113.8
[3 0 2]	(0 2 0)	(2 -10 -3)	9.012	1.256	7.17	45.8	83.6
[3 0 -4]	(0 2 0)	(4 0 3)	9.012	1.251	7.21	90.0	134.8
[1 -1 0]	(1 1 0)	(0 0 1)	8.452	5.122	1.65	77.3	96.9
[1 -1 0]	(1 1 0)	(1 1 -1)	8.452	4.880	1.73	68.4	96.9
[1 -1 2]	(1 1 0)	(1 -1 -1)	8.452	4.880	1.73	83.4	68.3
[1 1 -2]	(1 -1 0)	(0 2 1)	8.452	4.453	1.90	87.6	122.6
[1 1 2]	(1 -1 0)	(0 2 -1)	8.452	4.453	1.90	65.0	68.3
[1 1 2]	(1 -1 0)	(2 0 -1)	8.452	4.031	2.10	55.1	68.3
[1 1 -2]	(1 -1 0)	(1 1 1)	8.452	4.008	2.11	64.1	122.6
[1 -1 0]	(1 1 0)	(1 1 1)	8.452	4.008	2.11	49.8	96.9
[1 -1 4]	(1 1 0)	(1 -3 -1)	8.452	3.875	2.18	83.6	47.5
[1 -1 -2]	(1 1 0)	(1 3 -1)	8.452	3.875	2.18	60.4	122.6
[1 -1 4]	(1 1 0)	(2 -2 -1)	8.452	3.680	2.30	70.7	47.5
[1 1 4]	(1 -1 0)	(0 4 -1)	8.452	3.383	2.50	60.2	47.5
[1 1 4]	(1 -1 0)	(3 1 -1)	8.452	3.028	2.79	51.0	47.5
[1 -1 0]	(1 1 0)	(1 1 -2)	8.452	2.615	3.23	85.1	96.9
[1 1 1]	(1 -1 0)	(1 1 -2)	8.452	2.615	3.23	87.1	82.1
[1 -1 1]	(1 1 0)	(2 0 -2)	8.452	2.535	3.33	75.5	82.1
[1 1 -1]	(1 -1 0)	(0 2 2)	8.452	2.463	3.43	85.3	110.8

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[1 -1 1]	(1 1 0)	(0 2 2)	8.452	2.463	3.43	70.2	82.1
[1 1 -1]	(1 -1 0)	(1 -3 -2)	8.452	2.419	3.49	78.2	110.8
[1 1 2]	(1 -1 0)	(1 3 -2)	8.452	2.419	3.49	80.1	68.3
[1 -1 0]	(1 1 0)	(1 1 2)	8.452	2.314	3.65	61.8	96.9
[1 1 -1]	(1 -1 0)	(1 1 2)	8.452	2.314	3.65	69.4	110.8
[1 -1 1]	(1 1 0)	(3 1 -2)	8.452	2.276	3.71	60.4	82.1
[1 -1 2]	(1 1 0)	(3 -1 -2)	8.452	2.276	3.71	67.9	68.3
[1 1 -1]	(1 -1 0)	(2 -4 -2)	8.452	2.209	3.83	63.3	110.8
[1 1 3]	(1 -1 0)	(2 4 -2)	8.452	2.209	3.83	89.4	56.7
[1 1 1]	(1 -1 0)	(1 -3 2)	8.452	2.175	3.89	56.2	82.1
[1 -1 -2]	(1 1 0)	(1 -3 2)	8.452	2.175	3.89	77.5	122.6
[1 1 0]	(1 -1 0)	(3 -3 -2)	8.452	2.143	3.94	54.7	96.9
[1 -1 3]	(1 1 0)	(3 -3 -2)	8.452	2.143	3.94	76.0	56.7
[1 -1 3]	(1 1 0)	(1 -5 -2)	8.452	2.132	3.97	74.7	56.7
[1 1 -2]	(1 -1 0)	(1 -5 -2)	8.452	2.132	3.97	73.1	122.6
[1 1 -1]	(1 -1 0)	(2 0 2)	8.452	2.055	4.11	56.3	110.8
[1 1 3]	(1 -1 0)	(4 2 -2)	8.452	1.967	4.30	62.9	56.7
[1 1 1]	(1 -1 0)	(4 -2 -2)	8.452	1.967	4.30	48.7	82.1
[1 1 -3]	(1 -1 0)	(1 5 2)	8.452	1.959	4.31	84.6	131.9
[1 -1 2]	(1 1 0)	(1 5 2)	8.452	1.959	4.31	52.9	68.3
[1 -1 3]	(1 1 0)	(0 6 2)	8.452	1.949	4.34	61.9	56.7
[1 1 -3]	(1 -1 0)	(0 6 2)	8.452	1.949	4.34	82.1	131.9
[1 1 4]	(1 -1 0)	(3 5 -2)	8.452	1.936	4.37	83.2	47.5
[1 -1 -1]	(1 1 0)	(3 5 -2)	8.452	1.936	4.37	51.5	110.8
[1 1 1]	(1 -1 0)	(2 -4 2)	8.452	1.870	4.52	45.6	82.1
[1 -1 -3]	(1 1 0)	(2 -4 2)	8.452	1.870	4.52	71.9	131.9
[1 1 -3]	(1 -1 0)	(1 -7 -2)	8.452	1.844	4.58	69.6	131.9
[1 1 4]	(1 -1 0)	(1 7 -2)	8.452	1.844	4.58	71.1	47.5
[1 -1 -1]	(1 1 0)	(3 1 2)	8.452	1.783	4.74	46.2	110.8
[1 1 -2]	(1 -1 0)	(3 1 2)	8.452	1.783	4.74	53.1	122.6
[3 -3 2]	(1 1 0)	(2 0 -3)	8.452	1.752	4.83	84.4	87.0
[3 -3 2]	(1 1 0)	(1 -1 -3)	8.452	1.750	4.83	83.8	87.0
[1 -1 0]	(1 1 0)	(1 1 -3)	8.452	1.750	4.83	89.0	96.9
[1 1 3]	(1 -1 0)	(5 1 -2)	8.452	1.748	4.83	52.3	56.7
[1 -1 2]	(1 1 0)	(5 1 -2)	8.452	1.748	4.83	45.4	68.3
[1 -1 3]	(1 1 0)	(1 7 2)	8.452	1.729	4.89	51.5	56.7
[3 3 4]	(1 -1 0)	(2 2 -3)	8.452	1.719	4.92	89.6	77.3
[1 1 0]	(1 -1 0)	(2 -2 -3)	8.452	1.719	4.92	79.3	96.9
[1 1 -3]	(1 -1 0)	(3 3 2)	8.452	1.717	4.92	60.8	131.9
[1 -1 -2]	(1 1 0)	(3 7 -2)	8.452	1.713	4.93	50.2	122.6
[3 3 4]	(1 -1 0)	(1 3 -3)	8.452	1.687	5.01	78.9	77.3
[3 3 -2]	(1 -1 0)	(1 -3 -3)	8.452	1.687	5.01	85.9	106.3
[1 1 4]	(1 -1 0)	(5 3 -2)	8.452	1.686	5.01	59.9	47.5
[1 1 -3]	(1 -1 0)	(2 -8 -2)	8.452	1.684	5.02	58.9	131.9
[3 3 2]	(1 -1 0)	(3 -1 -3)	8.452	1.683	5.02	72.9	87.0

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[3 -3 4]	(1 1 0)	(3 -1 -3)	8.452	1.683	5.02	78.1	77.3
[3 3 -2]	(1 -1 0)	(0 2 3)	8.452	1.677	5.04	82.6	106.3
[3 -3 2]	(1 1 0)	(0 2 3)	8.452	1.677	5.04	72.4	87.0
[3 3 -2]	(1 -1 0)	(2 -4 -3)	8.452	1.633	5.18	74.8	106.3
[1 -1 2]	(1 1 0)	(2 -4 -3)	8.452	1.633	5.18	85.5	68.3
[3 3 -2]	(1 -1 0)	(1 1 3)	8.452	1.607	5.26	71.8	106.3
[1 1 0]	(1 -1 0)	(1 -1 3)	8.452	1.607	5.26	66.6	96.9
[3 3 -4]	(1 -1 0)	(0 4 3)	8.452	1.597	5.29	87.8	115.0
[3 3 4]	(1 -1 0)	(0 4 -3)	8.452	1.597	5.29	68.2	77.3
[3 3 4]	(1 -1 0)	(4 0 -3)	8.452	1.589	5.32	67.5	77.3
[3 3 -4]	(1 -1 0)	(1 -5 -3)	8.452	1.580	5.35	81.5	115.0
[1 -1 2]	(1 1 0)	(1 -5 -3)	8.452	1.580	5.35	74.8	68.3
[1 1 2]	(1 -1 0)	(4 2 -3)	8.452	1.565	5.40	72.8	68.3
[3 -3 2]	(1 1 0)	(4 2 -3)	8.452	1.565	5.40	62.7	87.0
[3 -3 2]	(1 1 0)	(1 3 3)	8.452	1.558	5.43	62.3	87.0
[3 3 -4]	(1 -1 0)	(1 3 3)	8.452	1.558	5.43	77.2	115.0
[1 1 -3]	(1 -1 0)	(4 2 2)	8.452	1.542	5.48	51.6	131.9
[3 -3 8]	(1 1 0)	(3 -5 -3)	8.452	1.530	5.52	88.4	60.3
[3 -3 -2]	(1 1 0)	(3 5 -3)	8.452	1.530	5.52	64.8	106.3
[1 -1 4]	(1 1 0)	(1 9 2)	8.452	1.520	5.56	51.2	47.5
[3 -3 -4]	(1 1 0)	(2 6 -3)	8.452	1.513	5.59	71.3	115.0
[3 -3 8]	(1 1 0)	(2 -6 -3)	8.452	1.513	5.59	81.3	60.3
[1 -1 -3]	(1 1 0)	(3 9 -2)	8.452	1.509	5.60	50.1	131.9
[1 -1 0]	(1 1 0)	(4 4 -3)	8.452	1.498	5.64	58.9	96.9
[3 -3 8]	(1 1 0)	(4 -4 -3)	8.452	1.498	5.64	78.2	60.3
[3 -3 -2]	(1 1 0)	(2 0 3)	8.452	1.495	5.65	62.1	106.3
[1 -1 -2]	(1 1 0)	(0 6 -3)	8.452	1.484	5.69	87.6	122.6
[1 -1 2]	(1 1 0)	(0 6 3)	8.452	1.484	5.69	65.0	68.3
[1 -1 0]	(1 1 0)	(2 2 3)	8.452	1.475	5.73	57.4	96.9
[3 -3 -4]	(1 1 0)	(2 -2 3)	8.452	1.475	5.73	67.4	115.0
[3 -3 4]	(1 1 0)	(1 5 3)	8.452	1.472	5.74	58.9	77.3
[1 1 -2]	(1 -1 0)	(1 5 3)	8.452	1.472	5.74	82.3	122.6
[1 -1 2]	(1 1 0)	(5 -1 -3)	8.452	1.463	5.78	63.3	68.3
[3 -3 4]	(1 1 0)	(5 1 -3)	8.452	1.463	5.78	58.3	77.3
[3 -3 8]	(1 1 0)	(1 -7 -3)	8.452	1.452	5.82	71.5	60.3
[1 1 -2]	(1 -1 0)	(1 -7 -3)	8.452	1.452	5.82	77.8	122.6
[3 -3 8]	(1 1 0)	(5 -3 -3)	8.452	1.426	5.93	68.7	60.3
[3 -3 2]	(1 1 0)	(5 3 -3)	8.452	1.426	5.93	54.1	87.0
[3 -3 2]	(1 1 0)	(2 4 3)	8.452	1.419	5.96	53.7	87.0
[1 1 -2]	(1 -1 0)	(2 4 3)	8.452	1.419	5.96	72.8	122.6
[3 -3 10]	(1 1 0)	(3 -7 -3)	8.452	1.413	5.98	87.3	53.4
[3 -3 -4]	(1 1 0)	(3 7 -3)	8.452	1.413	5.98	62.2	115.0
[3 -3 10]	(1 1 0)	(4 -6 -3)	8.452	1.404	6.02	83.2	53.4
[3 3 -2]	(1 -1 0)	(4 -6 -3)	8.452	1.404	6.02	56.1	106.3
[3 3 10]	(1 -1 0)	(2 8 -3)	8.452	1.383	6.11	77.9	53.4

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[1 1 -2]	(1 -1 0)	(2 -8 -3)	8.452	1.383	6.11	68.6	122.6
[3 3 -8]	(1 -1 0)	(1 7 3)	8.452	1.367	6.18	87.0	129.0
[1 1 2]	(1 -1 0)	(1 -7 3)	8.452	1.367	6.18	56.6	68.3
[3 3 -4]	(1 -1 0)	(3 1 3)	8.452	1.366	6.19	58.8	115.0
[3 3 -2]	(1 -1 0)	(3 -1 3)	8.452	1.366	6.19	53.9	106.3
[3 3 -8]	(1 -1 0)	(0 8 3)	8.452	1.361	6.21	83.8	129.0
[3 3 8]	(1 -1 0)	(0 8 -3)	8.452	1.361	6.21	62.7	60.3
[1 1 0]	(1 -1 0)	(5 -5 -3)	8.452	1.360	6.22	51.0	96.9
[3 3 10]	(1 -1 0)	(5 5 -3)	8.452	1.360	6.22	74.0	53.4
[1 1 2]	(1 -1 0)	(6 0 -3)	8.452	1.344	6.29	55.1	68.3
[3 3 -8]	(1 -1 0)	(2 6 3)	8.452	1.338	6.32	77.9	129.0
[3 -3 4]	(1 1 0)	(2 6 3)	8.452	1.338	6.32	51.1	77.3
[3 3 4]	(1 -1 0)	(6 -2 -3)	8.452	1.329	6.36	50.6	77.3
[3 3 8]	(1 -1 0)	(6 2 -3)	8.452	1.329	6.36	60.3	60.3
[3 3 -8]	(1 -1 0)	(1 -9 -3)	8.452	1.321	6.40	74.8	129.0
[3 -3 10]	(1 1 0)	(1 -9 -3)	8.452	1.321	6.40	69.1	53.4
[3 3 -4]	(1 -1 0)	(4 -8 -3)	8.452	1.298	6.51	54.4	115.0
[1 1 4]	(1 -1 0)	(4 8 -3)	8.452	1.298	6.51	87.6	47.5
[1 1 -2]	(1 -1 0)	(3 -9 -3)	8.452	1.292	6.54	60.4	122.6
[1 1 4]	(1 -1 0)	(3 9 -3)	8.452	1.292	6.54	83.6	47.5
[3 3 2]	(1 -1 0)	(6 -4 -3)	8.452	1.288	6.56	47.0	87.0
[3 3 10]	(1 -1 0)	(6 4 -3)	8.452	1.288	6.56	65.6	53.4
[3 3 -8]	(1 -1 0)	(3 5 3)	8.452	1.281	6.60	69.4	129.0
[3 -3 2]	(1 1 0)	(3 5 3)	8.452	1.281	6.60	46.7	87.0
[3 3 -2]	(1 -1 0)	(5 -7 -3)	8.452	1.275	6.63	48.9	106.3
[1 1 4]	(1 -1 0)	(5 7 -3)	8.452	1.275	6.63	78.9	47.5
[3 3 -10]	(1 -1 0)	(1 9 3)	8.452	1.256	6.73	89.0	134.5
[3 -3 8]	(1 1 0)	(1 9 3)	8.452	1.256	6.73	55.1	60.3
[3 3 -8]	(1 -1 0)	(2 -10 -3)	8.452	1.256	6.73	66.6	129.0
[1 -1 4]	(1 1 0)	(2 -10 -3)	8.452	1.256	6.73	75.2	47.5
[3 3 -4]	(1 -1 0)	(4 0 3)	8.452	1.251	6.76	51.5	115.0
[3 1 0]	(1 -3 0)	(0 0 1)	5.088	5.122	0.99	82.4	102.2
[3 1 4]	(1 -3 0)	(1 1 -1)	5.088	4.880	1.04	85.2	67.9
[3 1 2]	(1 -3 0)	(1 -1 -1)	5.088	4.880	1.04	68.0	84.6
[3 -1 2]	(1 3 0)	(0 2 1)	5.088	4.453	1.14	57.8	84.6
[3 -1 -2]	(1 3 0)	(0 2 -1)	5.088	4.453	1.14	72.3	117.9
[3 -1 6]	(1 3 0)	(2 0 -1)	5.088	4.031	1.26	69.9	54.3
[3 -1 -2]	(1 3 0)	(1 1 1)	5.088	4.008	1.27	59.0	117.9
[3 1 -4]	(1 -3 0)	(1 1 1)	5.088	4.008	1.27	82.1	130.1
[3 1 0]	(1 -3 0)	(1 -3 -1)	5.088	3.875	1.31	48.6	102.2
[3 1 6]	(1 -3 0)	(1 3 -1)	5.088	3.875	1.31	64.5	54.3
[3 1 4]	(1 -3 0)	(2 -2 -1)	5.088	3.680	1.38	48.7	67.9
[3 -1 -4]	(1 3 0)	(0 4 -1)	5.088	3.383	1.50	56.7	130.1
[3 -1 -4]	(1 3 0)	(2 2 1)	5.088	2.957	1.72	46.9	130.1

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[3 1 2]	(1 -3 0)	(1 1 -2)	5.088	2.615	1.95	83.5	84.6
[3 -1 1]	(1 3 0)	(1 1 -2)	5.088	2.615	1.95	82.3	93.5
[3 1 3]	(1 -3 0)	(2 0 -2)	5.088	2.535	2.01	81.3	75.9
[3 -1 1]	(1 3 0)	(0 2 2)	5.088	2.463	2.07	69.0	93.5
[3 1 -1]	(1 -3 0)	(0 2 2)	5.088	2.463	2.07	84.0	110.5
[3 -1 3]	(1 3 0)	(1 -3 -2)	5.088	2.419	2.10	70.6	75.9
[3 -1 0]	(1 3 0)	(1 3 -2)	5.088	2.419	2.10	69.5	102.2
[3 1 -2]	(1 -3 0)	(1 1 2)	5.088	2.314	2.20	82.0	117.9
[3 -1 -1]	(1 3 0)	(1 1 2)	5.088	2.314	2.20	69.1	110.5
[3 1 5]	(1 -3 0)	(3 1 -2)	5.088	2.276	2.24	81.1	60.6
[3 1 4]	(1 -3 0)	(3 -1 -2)	5.088	2.276	2.24	68.3	67.9
[3 -1 5]	(1 3 0)	(2 -4 -2)	5.088	2.209	2.30	73.5	60.6
[3 -1 1]	(1 3 0)	(2 4 -2)	5.088	2.209	2.30	56.8	93.5
[3 -1 -3]	(1 3 0)	(1 -3 2)	5.088	2.175	2.34	85.8	124.4
[3 1 0]	(1 -3 0)	(1 -3 2)	5.088	2.175	2.34	57.3	102.2
[3 -1 6]	(1 3 0)	(3 -3 -2)	5.088	2.143	2.37	86.8	54.3
[3 1 3]	(1 -3 0)	(3 -3 -2)	5.088	2.143	2.37	56.7	75.9
[3 1 -1]	(1 -3 0)	(1 -5 -2)	5.088	2.132	2.39	59.4	110.5
[3 -1 4]	(1 3 0)	(1 -5 -2)	5.088	2.132	2.39	60.5	67.9
[3 -1 -3]	(1 3 0)	(2 0 2)	5.088	2.055	2.48	70.5	124.4
[3 -1 5]	(1 3 0)	(4 2 -2)	5.088	1.967	2.59	58.6	60.6
[3 -1 7]	(1 3 0)	(4 -2 -2)	5.088	1.967	2.59	81.3	48.8
[3 -1 1]	(1 3 0)	(1 5 2)	5.088	1.959	2.60	47.9	93.5
[3 1 -4]	(1 -3 0)	(1 5 2)	5.088	1.959	2.60	75.5	130.1
[3 1 -3]	(1 -3 0)	(0 6 2)	5.088	1.949	2.61	63.3	124.4
[3 -1 3]	(1 3 0)	(0 6 2)	5.088	1.949	2.61	49.5	75.9
[3 -1 2]	(1 3 0)	(3 5 -2)	5.088	1.936	2.63	47.3	84.6
[3 1 7]	(1 -3 0)	(3 5 -2)	5.088	1.936	2.63	76.6	48.8
[3 -1 -5]	(1 3 0)	(2 -4 2)	5.088	1.870	2.72	87.3	134.9
[3 1 -1]	(1 -3 0)	(2 -4 2)	5.088	1.870	2.72	49.0	110.5
[3 -1 5]	(1 3 0)	(1 -7 -2)	5.088	1.844	2.76	53.2	60.6
[3 -1 -2]	(1 3 0)	(1 7 -2)	5.088	1.844	2.76	52.1	117.9
[3 1 -5]	(1 -3 0)	(3 1 2)	5.088	1.783	2.85	72.2	134.9
[3 -1 -4]	(1 3 0)	(3 1 2)	5.088	1.783	2.85	61.8	130.1
[3 1 2]	(1 -3 0)	(2 0 -3)	5.088	1.752	2.91	86.6	84.6
[9 3 2]	(1 -3 0)	(1 -1 -3)	5.088	1.750	2.91	87.5	96.5
[9 3 4]	(1 -3 0)	(1 1 -3)	5.088	1.750	2.91	83.1	90.5
[3 -1 7]	(1 3 0)	(5 1 -2)	5.088	1.748	2.91	61.5	48.8
[3 1 -5]	(1 -3 0)	(1 7 2)	5.088	1.729	2.94	67.4	134.9
[9 -3 4]	(1 3 0)	(2 2 -3)	5.088	1.719	2.96	77.3	90.5
[9 -3 8]	(1 3 0)	(2 -2 -3)	5.088	1.719	2.96	84.1	78.8
[3 -1 -3]	(1 3 0)	(3 3 2)	5.088	1.717	2.96	51.9	124.4
[3 -1 0]	(1 3 0)	(1 3 -3)	5.088	1.687	3.02	78.4	102.2
[3 -1 2]	(1 3 0)	(1 -3 -3)	5.088	1.687	3.02	74.1	84.6
[3 -1 6]	(1 3 0)	(5 3 -2)	5.088	1.686	3.02	51.7	54.3

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[3 -1 7]	(1 3 0)	(2 -8 -2)	5.088	1.684	3.02	57.8	48.8
[9 -3 10]	(1 3 0)	(3 -1 -3)	5.088	1.683	3.02	85.9	73.2
[9 3 8]	(1 -3 0)	(3 -1 -3)	5.088	1.683	3.02	76.7	78.8
[9 -3 2]	(1 3 0)	(0 2 3)	5.088	1.677	3.03	73.3	96.5
[9 3 -2]	(1 -3 0)	(0 2 3)	5.088	1.677	3.03	88.4	107.8
[9 -3 10]	(1 3 0)	(2 -4 -3)	5.088	1.633	3.12	75.4	73.2
[9 3 2]	(1 -3 0)	(2 -4 -3)	5.088	1.633	3.12	68.8	96.5
[9 -3 -2]	(1 3 0)	(1 1 3)	5.088	1.607	3.17	73.2	107.8
[9 -3 -4]	(1 3 0)	(1 -1 3)	5.088	1.607	3.17	82.1	113.0
[9 -3 4]	(1 3 0)	(0 4 3)	5.088	1.597	3.19	64.9	90.5
[9 -3 -4]	(1 3 0)	(0 4 -3)	5.088	1.597	3.19	79.8	113.0
[3 -1 6]	(1 3 0)	(1 -9 -2)	5.088	1.596	3.19	48.0	54.3
[3 1 -3]	(1 -3 0)	(1 -9 -2)	5.088	1.596	3.19	47.0	124.4
[3 -1 4]	(1 3 0)	(4 0 -3)	5.088	1.589	3.20	76.7	67.9
[9 -3 8]	(1 3 0)	(1 -5 -3)	5.088	1.580	3.22	66.1	78.8
[9 3 -2]	(1 -3 0)	(1 -5 -3)	5.088	1.580	3.22	70.3	107.8
[9 -3 10]	(1 3 0)	(4 2 -3)	5.088	1.565	3.25	68.1	73.2
[9 3 14]	(1 -3 0)	(4 2 -3)	5.088	1.565	3.25	85.4	62.9
[3 1 -2]	(1 -3 0)	(1 3 3)	5.088	1.558	3.27	89.3	117.9
[3 -1 0]	(1 3 0)	(1 3 3)	5.088	1.558	3.27	64.7	102.2
[3 -1 -5]	(1 3 0)	(4 2 2)	5.088	1.542	3.30	55.4	134.9
[9 3 4]	(1 -3 0)	(3 -5 -3)	5.088	1.530	3.33	60.2	90.5
[9 3 14]	(1 -3 0)	(3 5 -3)	5.088	1.530	3.33	77.1	62.9
[3 1 4]	(1 -3 0)	(2 6 -3)	5.088	1.513	3.36	67.9	67.9
[3 1 0]	(1 -3 0)	(2 -6 -3)	5.088	1.513	3.36	61.5	102.2
[9 3 16]	(1 -3 0)	(4 4 -3)	5.088	1.498	3.40	86.3	58.4
[9 3 8]	(1 -3 0)	(4 -4 -3)	5.088	1.498	3.40	60.1	78.8
[3 1 -2]	(1 -3 0)	(2 0 3)	5.088	1.495	3.40	73.6	117.9
[3 1 2]	(1 -3 0)	(0 6 -3)	5.088	1.484	3.43	57.8	84.6
[3 1 -2]	(1 -3 0)	(0 6 3)	5.088	1.484	3.43	72.3	117.9
[9 3 -8]	(1 -3 0)	(2 2 3)	5.088	1.475	3.45	82.0	122.3
[9 3 -4]	(1 -3 0)	(2 -2 3)	5.088	1.475	3.45	65.4	113.0
[3 1 -5]	(1 -3 0)	(0 10 2)	5.088	1.474	3.45	51.9	134.9
[9 3 -8]	(1 -3 0)	(1 5 3)	5.088	1.472	3.46	81.4	122.3
[9 -3 2]	(1 3 0)	(1 5 3)	5.088	1.472	3.46	57.2	96.5
[9 3 14]	(1 -3 0)	(5 -1 -3)	5.088	1.463	3.48	68.8	62.9
[9 3 16]	(1 -3 0)	(5 1 -3)	5.088	1.463	3.48	77.0	58.4
[3 1 7]	(1 -3 0)	(6 -4 -2)	5.088	1.454	3.50	46.9	48.8
[9 3 -4]	(1 -3 0)	(1 -7 -3)	5.088	1.452	3.50	63.5	113.0
[9 -3 10]	(1 3 0)	(1 -7 -3)	5.088	1.452	3.50	59.4	73.2
[3 1 4]	(1 -3 0)	(5 -3 -3)	5.088	1.426	3.57	60.9	67.9
[3 1 6]	(1 -3 0)	(5 3 -3)	5.088	1.426	3.57	85.1	54.3
[9 3 -10]	(1 -3 0)	(2 4 3)	5.088	1.419	3.59	90.0	126.4
[9 -3 -2]	(1 3 0)	(2 4 3)	5.088	1.419	3.59	57.7	107.8
[9 3 2]	(1 -3 0)	(3 -7 -3)	5.088	1.413	3.60	53.8	96.5

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[9 3 16]	(1 -3 0)	(3 7 -3)	5.088	1.413	3.60	70.2	58.4
[3 1 2]	(1 -3 0)	(4 -6 -3)	5.088	1.404	3.62	53.2	84.6
[3 -1 6]	(1 3 0)	(4 -6 -3)	5.088	1.404	3.62	78.9	54.3
[9 -3 -2]	(1 3 0)	(2 8 -3)	5.088	1.383	3.68	55.5	107.8
[9 -3 14]	(1 3 0)	(2 -8 -3)	5.088	1.383	3.68	61.8	62.9
[9 -3 4]	(1 3 0)	(1 7 3)	5.088	1.367	3.72	50.9	90.5
[9 -3 -10]	(1 3 0)	(1 -7 3)	5.088	1.367	3.72	74.5	126.4
[9 -3 -8]	(1 3 0)	(3 1 3)	5.088	1.366	3.72	66.6	122.3
[9 -3 -10]	(1 3 0)	(3 -1 3)	5.088	1.366	3.72	74.4	126.4
[9 -3 8]	(1 3 0)	(0 8 3)	5.088	1.361	3.74	51.9	78.8
[9 -3 -8]	(1 3 0)	(0 8 -3)	5.088	1.361	3.74	66.0	122.3
[9 -3 20]	(1 3 0)	(5 -5 -3)	5.088	1.360	3.74	87.3	50.6
[9 -3 10]	(1 3 0)	(5 5 -3)	5.088	1.360	3.74	53.7	73.2
[3 -1 6]	(1 3 0)	(6 0 -3)	5.088	1.344	3.79	69.9	54.3
[3 -1 0]	(1 3 0)	(2 6 3)	5.088	1.338	3.80	51.0	102.2
[3 1 -4]	(1 -3 0)	(2 6 3)	5.088	1.338	3.80	82.8	130.1
[9 -3 20]	(1 3 0)	(6 -2 -3)	5.088	1.329	3.83	77.6	50.6
[9 -3 16]	(1 3 0)	(6 2 -3)	5.088	1.329	3.83	62.3	58.4
[3 -1 4]	(1 3 0)	(1 -9 -3)	5.088	1.321	3.85	54.0	67.9
[3 1 -2]	(1 -3 0)	(1 -9 -3)	5.088	1.321	3.85	58.0	117.9
[9 -3 20]	(1 3 0)	(4 -8 -3)	5.088	1.298	3.92	72.5	50.6
[9 -3 4]	(1 3 0)	(4 8 -3)	5.088	1.298	3.92	47.5	90.5
[3 -1 6]	(1 3 0)	(3 -9 -3)	5.088	1.292	3.94	64.5	54.3
[3 -1 0]	(1 3 0)	(3 9 -3)	5.088	1.292	3.94	48.6	102.2
[9 -3 22]	(1 3 0)	(6 -4 -3)	5.088	1.288	3.95	85.0	47.2
[9 -3 14]	(1 3 0)	(6 4 -3)	5.088	1.288	3.95	55.1	62.9
[9 -3 -4]	(1 3 0)	(3 5 3)	5.088	1.281	3.97	52.2	113.0
[9 3 -14]	(1 -3 0)	(3 5 3)	5.088	1.281	3.97	89.3	133.4
[9 -3 22]	(1 3 0)	(5 -7 -3)	5.088	1.275	3.99	80.6	47.2
[9 -3 8]	(1 3 0)	(5 7 -3)	5.088	1.275	3.99	47.5	78.8
[3 -1 2]	(1 3 0)	(1 9 3)	5.088	1.256	4.05	45.7	84.6
[3 1 -4]	(1 -3 0)	(1 9 3)	5.088	1.256	4.05	68.6	130.1
[9 -3 16]	(1 3 0)	(2 -10 -3)	5.088	1.256	4.05	56.8	58.4
[9 3 -4]	(1 -3 0)	(2 -10 -3)	5.088	1.256	4.05	50.8	113.0
[3 -1 -4]	(1 3 0)	(4 0 3)	5.088	1.251	4.07	68.0	130.1
[0 -1 0]	(2 0 0)	(0 0 1)	4.785	5.122	0.93	75.6	90.0
[0 1 1]	(2 0 0)	(1 1 -1)	4.785	4.880	0.98	74.1	73.7
[0 -1 2]	(2 0 0)	(0 2 1)	4.785	4.453	1.07	77.5	59.6
[0 1 0]	(2 0 0)	(2 0 -1)	4.785	4.031	1.19	49.7	90.0
[0 -1 1]	(2 0 0)	(1 1 1)	4.785	4.008	1.19	52.2	73.7
[0 1 -3]	(2 0 0)	(1 -3 -1)	4.785	3.875	1.23	77.5	131.4
[0 1 -2]	(2 0 0)	(2 -2 -1)	4.785	3.680	1.30	53.8	120.4
[0 -1 3]	(2 0 0)	(1 3 1)	4.785	3.393	1.41	58.7	48.6
[0 2 1]	(2 0 0)	(1 1 -2)	4.785	2.615	1.83	88.9	81.7

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[0 1 0]	(2 0 0)	(2 0 -2)	4.785	2.535	1.89	73.5	90.0
[0 -1 1]	(2 0 0)	(0 2 2)	4.785	2.463	1.94	76.2	73.7
[0 2 3]	(2 0 0)	(1 3 -2)	4.785	2.419	1.98	89.0	66.2
[0 -2 -1]	(2 0 0)	(1 -1 2)	4.785	2.314	2.07	62.2	98.3
[0 2 1]	(2 0 0)	(3 1 -2)	4.785	2.276	2.10	60.5	81.7
[0 1 2]	(2 0 0)	(2 4 -2)	4.785	2.209	2.17	75.7	59.6
[0 -2 3]	(2 0 0)	(1 3 2)	4.785	2.175	2.20	64.0	66.2
[0 2 -3]	(2 0 0)	(3 -3 -2)	4.785	2.143	2.23	62.3	113.8
[0 2 -5]	(2 0 0)	(1 -5 -2)	4.785	2.132	2.24	89.1	126.3
[0 -1 0]	(2 0 0)	(2 0 2)	4.785	2.055	2.33	51.0	90.0
[0 1 1]	(2 0 0)	(4 2 -2)	4.785	1.967	2.43	50.8	73.7
[0 -2 5]	(2 0 0)	(1 5 2)	4.785	1.959	2.44	66.8	53.7
[0 -1 3]	(2 0 0)	(0 6 2)	4.785	1.949	2.46	79.1	48.6
[0 2 5]	(2 0 0)	(3 5 -2)	4.785	1.936	2.47	65.2	53.7
[0 -1 -2]	(2 0 0)	(2 -4 2)	4.785	1.870	2.56	55.1	120.4
[0 2 0]	(2 0 0)	(2 0 -3)	4.785	1.752	2.73	83.6	90.0
[0 3 1]	(2 0 0)	(1 1 -3)	4.785	1.750	2.73	85.9	84.4
[0 3 -2]	(2 0 0)	(2 -2 -3)	4.785	1.719	2.78	83.7	101.1
[0 -2 3]	(2 0 0)	(3 3 2)	4.785	1.717	2.79	45.2	66.2
[0 1 -1]	(2 0 0)	(1 -3 -3)	4.785	1.687	2.84	86.0	106.3
[0 3 -1]	(2 0 0)	(3 -1 -3)	4.785	1.683	2.84	73.6	95.6
[0 -3 2]	(2 0 0)	(0 2 3)	4.785	1.677	2.85	75.9	78.9
[0 1 -3]	(2 0 0)	(4 -6 -2)	4.785	1.674	2.86	57.5	131.4
[0 3 -4]	(2 0 0)	(2 -4 -3)	4.785	1.633	2.93	84.0	111.4
[0 -3 -1]	(2 0 0)	(1 -1 3)	4.785	1.607	2.98	66.3	95.6
[0 -2 5]	(2 0 0)	(3 5 2)	4.785	1.604	2.98	48.8	53.7
[0 -3 4]	(2 0 0)	(0 4 3)	4.785	1.597	3.00	76.6	68.6
[0 2 0]	(2 0 0)	(4 0 -3)	4.785	1.589	3.01	64.3	90.0
[0 3 -5]	(2 0 0)	(1 -5 -3)	4.785	1.580	3.03	86.3	116.1
[0 2 5]	(2 0 0)	(5 5 -2)	4.785	1.579	3.03	47.8	53.7
[0 3 2]	(2 0 0)	(4 2 -3)	4.785	1.565	3.06	64.8	78.9
[0 -1 1]	(2 0 0)	(1 3 3)	4.785	1.558	3.07	67.1	73.7
[0 3 5]	(2 0 0)	(3 5 -3)	4.785	1.530	3.13	75.1	63.9
[0 1 -2]	(2 0 0)	(2 -6 -3)	4.785	1.513	3.16	84.5	120.4
[0 3 -4]	(2 0 0)	(4 -4 -3)	4.785	1.498	3.19	65.9	111.4
[0 2 0]	(2 0 0)	(2 0 3)	4.785	1.495	3.20	58.0	90.0
[0 -1 2]	(2 0 0)	(0 6 3)	4.785	1.484	3.22	77.5	59.6
[0 -3 -2]	(2 0 0)	(2 -2 3)	4.785	1.475	3.24	58.5	101.1
[0 -3 5]	(2 0 0)	(1 5 3)	4.785	1.472	3.25	68.4	63.9
[0 3 1]	(2 0 0)	(5 1 -3)	4.785	1.463	3.27	56.5	84.4
[0 3 -7]	(2 0 0)	(1 -7 -3)	4.785	1.452	3.30	86.6	124.4
[0 1 1]	(2 0 0)	(5 3 -3)	4.785	1.426	3.36	57.5	73.7
[0 -3 4]	(2 0 0)	(2 4 3)	4.785	1.419	3.37	59.8	68.6
[0 3 7]	(2 0 0)	(3 7 -3)	4.785	1.413	3.39	76.3	55.6
[0 1 -2]	(2 0 0)	(4 -6 -3)	4.785	1.404	3.41	67.5	120.4

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[0 3 8]	(2 0 0)	(2 8 -3)	4.785	1.383	3.46	85.0	52.0
[0 -3 -7]	(2 0 0)	(1 -7 3)	4.785	1.367	3.50	70.0	124.4
[0 -3 -1]	(2 0 0)	(3 -1 3)	4.785	1.366	3.50	51.2	95.6
[0 3 8]	(2 0 0)	(0 8 -3)	4.785	1.361	3.52	78.6	52.0
[0 3 5]	(2 0 0)	(5 5 -3)	4.785	1.360	3.52	59.2	63.9
[0 2 0]	(2 0 0)	(6 0 -3)	4.785	1.344	3.56	49.7	90.0
[0 -1 2]	(2 0 0)	(2 6 3)	4.785	1.338	3.58	61.7	59.6
[0 3 2]	(2 0 0)	(6 2 -3)	4.785	1.329	3.60	50.2	78.9
[0 1 -3]	(2 0 0)	(1 -9 -3)	4.785	1.321	3.62	86.9	131.4
[0 3 8]	(2 0 0)	(4 8 -3)	4.785	1.298	3.69	69.3	52.0
[0 1 3]	(2 0 0)	(3 9 -3)	4.785	1.292	3.70	77.5	48.6
[0 3 4]	(2 0 0)	(6 4 -3)	4.785	1.288	3.72	51.7	68.6
[0 -3 5]	(2 0 0)	(3 5 3)	4.785	1.281	3.74	54.0	63.9
[0 3 7]	(2 0 0)	(5 7 -3)	4.785	1.275	3.75	61.3	55.6
[0 -1 3]	(2 0 0)	(1 9 3)	4.785	1.256	3.81	71.7	48.6
[0 3 -10]	(2 0 0)	(2 -10 -3)	4.785	1.256	3.81	85.4	134.4
[0 2 0]	(2 0 0)	(4 0 3)	4.785	1.251	3.83	45.2	90.0
[5 -1 0]	(1 5 0)	(0 0 1)	3.373	5.122	0.66	85.0	103.5
[5 -1 4]	(1 5 0)	(1 1 -1)	3.373	4.880	0.69	69.5	80.1
[5 -1 6]	(1 5 0)	(1 -1 -1)	3.373	4.880	0.69	81.0	69.2
[5 1 -2]	(1 -5 0)	(0 2 1)	3.373	4.453	0.76	67.3	114.1
[5 1 2]	(1 -5 0)	(0 2 -1)	3.373	4.453	0.76	57.4	91.9
[5 1 10]	(1 -5 0)	(2 0 -1)	3.373	4.031	0.84	76.8	51.5
[5 1 -6]	(1 -5 0)	(1 1 1)	3.373	4.008	0.84	89.5	130.7
[5 -1 -4]	(1 5 0)	(1 1 1)	3.373	4.008	0.84	64.9	123.2
[5 -1 8]	(1 5 0)	(1 -3 -1)	3.373	3.875	0.87	58.2	59.6
[5 -1 2]	(1 5 0)	(1 3 -1)	3.373	3.875	0.87	47.2	91.9
[5 1 8]	(1 -5 0)	(2 -2 -1)	3.373	3.680	0.92	53.8	59.6
[5 1 -4]	(1 -5 0)	(0 4 1)	3.373	3.383	1.00	49.8	123.2
[5 1 10]	(1 -5 0)	(1 5 -1)	3.373	2.938	1.15	45.2	51.5
[5 -1 2]	(1 5 0)	(1 1 -2)	3.373	2.615	1.29	81.8	91.9
[5 1 3]	(1 -5 0)	(1 1 -2)	3.373	2.615	1.29	82.6	86.0
[5 -1 5]	(1 5 0)	(2 0 -2)	3.373	2.535	1.33	84.3	74.5
[5 1 -1]	(1 -5 0)	(0 2 2)	3.373	2.463	1.37	80.1	108.9
[5 -1 1]	(1 5 0)	(0 2 2)	3.373	2.463	1.37	70.1	97.8
[5 1 1]	(1 -5 0)	(1 -3 -2)	3.373	2.419	1.39	67.5	97.8
[5 1 4]	(1 -5 0)	(1 3 -2)	3.373	2.419	1.39	68.3	80.1
[5 -1 -2]	(1 5 0)	(1 1 2)	3.373	2.314	1.46	73.5	114.1
[5 1 -3]	(1 -5 0)	(1 1 2)	3.373	2.314	1.46	87.5	118.8
[5 -1 7]	(1 5 0)	(3 1 -2)	3.373	2.276	1.48	73.0	64.2
[5 -1 8]	(1 5 0)	(3 -1 -2)	3.373	2.276	1.48	86.8	59.6
[5 1 3]	(1 -5 0)	(2 -4 -2)	3.373	2.209	1.53	56.9	86.0
[5 1 7]	(1 -5 0)	(2 4 -2)	3.373	2.209	1.53	68.2	64.2
[5 1 -1]	(1 -5 0)	(1 -3 2)	3.373	2.175	1.55	60.4	108.9

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[5 -1 -4]	(1 5 0)	(1 -3 2)	3.373	2.175	1.55	79.4	123.2
[5 1 6]	(1 -5 0)	(3 -3 -2)	3.373	2.143	1.57	60.2	69.2
[5 -1 9]	(1 5 0)	(3 -3 -2)	3.373	2.143	1.57	80.2	55.4
[5 -1 5]	(1 5 0)	(1 -5 -2)	3.373	2.132	1.58	56.8	74.5
[5 1 0]	(1 -5 0)	(1 -5 -2)	3.373	2.132	1.58	56.0	103.5
[5 1 -5]	(1 -5 0)	(2 0 2)	3.373	2.055	1.64	77.2	127.1
[5 1 11]	(1 -5 0)	(4 2 -2)	3.373	1.967	1.71	88.9	48.1
[5 1 9]	(1 -5 0)	(4 -2 -2)	3.373	1.967	1.71	64.7	55.4
[5 1 -5]	(1 -5 0)	(1 5 2)	3.373	1.959	1.72	68.3	127.1
[5 -1 0]	(1 5 0)	(1 5 2)	3.373	1.959	1.72	49.6	103.5
[5 -1 3]	(1 5 0)	(0 6 2)	3.373	1.949	1.73	47.6	86.0
[5 1 -3]	(1 -5 0)	(0 6 2)	3.373	1.949	1.73	57.3	118.8
[5 1 10]	(1 -5 0)	(3 5 -2)	3.373	1.936	1.74	69.2	51.5
[5 -1 5]	(1 5 0)	(3 5 -2)	3.373	1.936	1.74	49.4	74.5
[5 1 -3]	(1 -5 0)	(2 -4 2)	3.373	1.870	1.80	53.8	118.8
[5 -1 -7]	(1 5 0)	(2 -4 2)	3.373	1.870	1.80	79.2	133.9
[5 1 -1]	(1 -5 0)	(1 -7 -2)	3.373	1.844	1.83	47.5	108.9
[5 1 6]	(1 -5 0)	(1 7 -2)	3.373	1.844	1.83	48.3	69.2
[5 -1 -7]	(1 5 0)	(3 1 2)	3.373	1.783	1.89	69.5	133.9
[15 -3 10]	(1 5 0)	(2 0 -3)	3.373	1.752	1.93	87.8	84.0
[5 -1 2]	(1 5 0)	(1 -1 -3)	3.373	1.750	1.93	83.3	91.9
[15 -3 4]	(1 5 0)	(1 1 -3)	3.373	1.750	1.93	86.2	95.8
[5 1 -6]	(1 -5 0)	(1 7 2)	3.373	1.729	1.95	59.6	130.7
[5 1 4]	(1 -5 0)	(2 2 -3)	3.373	1.719	1.96	82.0	80.1
[15 3 8]	(1 -5 0)	(2 -2 -3)	3.373	1.719	1.96	77.5	87.9
[5 -1 -6]	(1 5 0)	(3 3 2)	3.373	1.717	1.96	58.9	130.7
[5 1 11]	(1 -5 0)	(3 7 -2)	3.373	1.713	1.97	60.5	48.1
[15 3 8]	(1 -5 0)	(1 3 -3)	3.373	1.687	2.00	73.3	87.9
[15 3 2]	(1 -5 0)	(1 -3 -3)	3.373	1.687	2.00	76.2	99.7
[5 -1 11]	(1 5 0)	(5 3 -2)	3.373	1.686	2.00	59.0	48.1
[5 -1 9]	(1 5 0)	(2 -8 -2)	3.373	1.684	2.00	50.7	55.4
[15 3 14]	(1 -5 0)	(3 -1 -3)	3.373	1.683	2.00	79.2	76.4
[15 -3 16]	(1 5 0)	(3 -1 -3)	3.373	1.683	2.00	89.3	72.7
[15 3 -2]	(1 -5 0)	(0 2 3)	3.373	1.677	2.01	84.9	107.2
[15 -3 2]	(1 5 0)	(0 2 3)	3.373	1.677	2.01	74.9	99.7
[5 1 2]	(1 -5 0)	(2 -4 -3)	3.373	1.633	2.07	67.9	91.9
[15 -3 14]	(1 5 0)	(2 -4 -3)	3.373	1.633	2.07	72.4	76.4
[5 1 -2]	(1 -5 0)	(1 1 3)	3.373	1.607	2.10	86.7	114.1
[15 3 -4]	(1 -5 0)	(1 -1 3)	3.373	1.607	2.10	77.0	110.7
[5 1 -5]	(1 -5 0)	(3 -5 2)	3.373	1.604	2.10	49.6	127.1
[15 3 -4]	(1 -5 0)	(0 4 3)	3.373	1.597	2.11	75.5	110.7
[15 3 4]	(1 -5 0)	(0 4 -3)	3.373	1.597	2.11	65.6	95.8
[15 3 20]	(1 -5 0)	(4 0 -3)	3.373	1.589	2.12	81.2	65.8
[5 1 0]	(1 -5 0)	(1 -5 -3)	3.373	1.580	2.13	67.2	103.5
[15 -3 10]	(1 5 0)	(1 -5 -3)	3.373	1.580	2.13	64.3	84.0

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[5 1 10]	(1 -5 0)	(5 -5 -2)	3.373	1.579	2.14	49.7	51.5
[15 3 22]	(1 -5 0)	(4 2 -3)	3.373	1.565	2.16	89.3	62.6
[5 -1 6]	(1 5 0)	(4 2 -3)	3.373	1.565	2.16	71.8	69.2
[15 -3 -2]	(1 5 0)	(1 3 3)	3.373	1.558	2.17	67.7	107.2
[15 3 -8]	(1 -5 0)	(1 3 3)	3.373	1.558	2.17	84.0	117.3
[15 -3 20]	(1 5 0)	(3 -5 -3)	3.373	1.530	2.20	72.1	65.8
[15 -3 10]	(1 5 0)	(3 5 -3)	3.373	1.530	2.20	60.8	84.0
[5 1 -7]	(1 -5 0)	(1 9 2)	3.373	1.520	2.22	53.0	133.9
[15 -3 4]	(1 5 0)	(2 6 -3)	3.373	1.513	2.23	59.7	95.8
[15 -3 16]	(1 5 0)	(2 -6 -3)	3.373	1.513	2.23	64.1	72.7
[15 -3 16]	(1 5 0)	(4 4 -3)	3.373	1.498	2.25	62.9	72.7
[5 -1 8]	(1 5 0)	(4 -4 -3)	3.373	1.498	2.25	80.4	59.6
[15 -3 -10]	(1 5 0)	(2 0 3)	3.373	1.495	2.26	79.2	120.3
[5 -1 -2]	(1 5 0)	(0 6 -3)	3.373	1.484	2.27	67.3	114.1
[5 -1 2]	(1 5 0)	(0 6 3)	3.373	1.484	2.27	57.4	91.9
[15 -3 -8]	(1 5 0)	(2 2 3)	3.373	1.475	2.29	70.3	117.3
[5 -1 -4]	(1 5 0)	(2 -2 3)	3.373	1.475	2.29	88.2	123.2
[5 -1 0]	(1 5 0)	(1 5 3)	3.373	1.472	2.29	59.2	103.5
[15 3 -10]	(1 -5 0)	(1 5 3)	3.373	1.472	2.29	75.4	120.3
[15 -3 26]	(1 5 0)	(5 -1 -3)	3.373	1.463	2.31	83.2	56.7
[5 -1 8]	(1 5 0)	(5 1 -3)	3.373	1.463	2.31	74.3	59.6
[5 -1 4]	(1 5 0)	(1 -7 -3)	3.373	1.452	2.32	56.7	80.1
[15 3 -2]	(1 -5 0)	(1 -7 -3)	3.373	1.452	2.32	59.6	107.2
[15 -3 28]	(1 5 0)	(5 -3 -3)	3.373	1.426	2.37	88.1	54.0
[15 -3 22]	(1 5 0)	(5 3 -3)	3.373	1.426	2.37	65.7	62.6
[5 -1 -2]	(1 5 0)	(2 4 3)	3.373	1.419	2.38	61.8	114.1
[15 3 -14]	(1 -5 0)	(2 4 3)	3.373	1.419	2.38	83.3	125.8
[15 -3 22]	(1 5 0)	(3 -7 -3)	3.373	1.413	2.39	64.5	62.6
[15 -3 8]	(1 5 0)	(3 7 -3)	3.373	1.413	2.39	53.3	87.9
[15 -3 26]	(1 5 0)	(4 -6 -3)	3.373	1.404	2.40	72.4	56.7
[15 3 14]	(1 -5 0)	(4 -6 -3)	3.373	1.404	2.40	55.1	76.4
[5 -1 -7]	(1 5 0)	(4 6 2)	3.373	1.388	2.43	46.8	133.9
[5 1 6]	(1 -5 0)	(2 8 -3)	3.373	1.383	2.44	57.1	69.2
[15 3 2]	(1 -5 0)	(2 -8 -3)	3.373	1.383	2.44	52.7	99.7
[5 1 -4]	(1 -5 0)	(1 7 3)	3.373	1.367	2.47	67.9	123.2
[15 3 2]	(1 -5 0)	(1 -7 3)	3.373	1.367	2.47	51.9	99.7
[15 3 -16]	(1 -5 0)	(3 1 3)	3.373	1.366	2.47	81.4	128.4
[15 3 -14]	(1 -5 0)	(3 -1 3)	3.373	1.366	2.47	73.0	125.8
[15 3 -8]	(1 -5 0)	(0 8 3)	3.373	1.361	2.48	60.3	117.3
[15 3 8]	(1 -5 0)	(0 8 -3)	3.373	1.361	2.48	50.6	87.9
[15 3 20]	(1 -5 0)	(5 -5 -3)	3.373	1.360	2.48	57.7	65.8
[5 1 10]	(1 -5 0)	(5 5 -3)	3.373	1.360	2.48	80.1	51.5
[5 1 10]	(1 -5 0)	(6 0 -3)	3.373	1.344	2.51	76.8	51.5
[15 3 -16]	(1 -5 0)	(2 6 3)	3.373	1.338	2.52	75.5	128.4
[15 -3 -4]	(1 5 0)	(2 6 3)	3.373	1.338	2.52	54.3	110.7

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[15 3 28]	(1 -5 0)	(6 -2 -3)	3.373	1.329	2.54	68.7	54.0
[15 3 32]	(1 -5 0)	(6 2 -3)	3.373	1.329	2.54	85.0	49.2
[15 3 -4]	(1 -5 0)	(1 -9 -3)	3.373	1.321	2.55	53.3	110.7
[15 -3 14]	(1 5 0)	(1 -9 -3)	3.373	1.321	2.55	50.5	76.4
[5 1 4]	(1 -5 0)	(4 -8 -3)	3.373	1.298	2.60	48.4	80.1
[15 3 28]	(1 -5 0)	(4 8 -3)	3.373	1.298	2.60	65.5	54.0
[5 1 2]	(1 -5 0)	(3 -9 -3)	3.373	1.292	2.61	47.2	91.9
[5 1 8]	(1 -5 0)	(3 9 -3)	3.373	1.292	2.61	58.2	59.6
[15 3 26]	(1 -5 0)	(6 -4 -3)	3.373	1.288	2.62	60.9	56.7
[15 3 34]	(1 -5 0)	(6 4 -3)	3.373	1.288	2.62	87.2	47.0
[15 3 -20]	(1 -5 0)	(3 5 3)	3.373	1.281	2.63	82.8	132.9
[15 -3 -10]	(1 5 0)	(3 5 3)	3.373	1.281	2.63	57.3	120.3
[5 1 6]	(1 -5 0)	(5 -7 -3)	3.373	1.275	2.65	50.7	69.2
[15 3 32]	(1 -5 0)	(5 7 -3)	3.373	1.275	2.65	72.9	49.2
[15 3 -14]	(1 -5 0)	(1 9 3)	3.373	1.256	2.69	61.6	125.8
[15 -3 4]	(1 5 0)	(1 9 3)	3.373	1.256	2.69	45.8	95.8
[5 1 0]	(1 -5 0)	(2 -10 -3)	3.373	1.256	2.69	47.1	103.5
[15 -3 20]	(1 5 0)	(2 -10 -3)	3.373	1.256	2.69	51.4	65.8
[15 3 -20]	(1 -5 0)	(4 0 3)	3.373	1.251	2.70	75.6	132.9
[2 -1 0]	(2 4 0)	(0 0 1)	3.280	5.122	0.64	80.2	100.6
[2 -1 1]	(2 4 0)	(1 1 -1)	3.280	4.880	0.67	67.4	89.2
[2 -1 3]	(2 4 0)	(1 -1 -1)	3.280	4.880	0.67	89.4	67.4
[2 1 -2]	(2 -4 0)	(0 2 1)	3.280	4.453	0.74	77.8	120.5
[2 1 2]	(2 -4 0)	(0 2 -1)	3.280	4.453	0.74	59.5	77.8
[2 1 4]	(2 -4 0)	(2 0 -1)	3.280	4.031	0.81	63.7	58.3
[2 1 -3]	(2 -4 0)	(1 1 1)	3.280	4.008	0.82	75.0	128.3
[2 -1 -1]	(2 4 0)	(1 1 1)	3.280	4.008	0.82	54.4	111.2
[2 -1 5]	(2 4 0)	(1 -3 -1)	3.280	3.875	0.85	71.3	50.7
[2 -1 -1]	(2 4 0)	(1 3 -1)	3.280	3.875	0.85	51.8	111.2
[2 1 2]	(2 -4 0)	(2 -2 -1)	3.280	3.680	0.89	45.4	77.8
[2 1 4]	(2 -4 0)	(0 4 -1)	3.280	3.383	0.97	48.8	58.3
[2 1 -4]	(2 -4 0)	(0 4 1)	3.280	3.383	0.97	64.3	134.7
[2 -1 -4]	(2 4 0)	(2 0 1)	3.280	3.130	1.05	56.5	134.7
[2 -1 5]	(2 4 0)	(3 1 -1)	3.280	3.028	1.08	47.7	50.7
[2 1 -3]	(2 -4 0)	(1 -5 -1)	3.280	2.938	1.12	45.1	128.3
[4 -2 1]	(2 4 0)	(1 1 -2)	3.280	2.615	1.25	83.2	94.9
[4 2 3]	(2 -4 0)	(1 1 -2)	3.280	2.615	1.25	84.7	83.4
[2 -1 2]	(2 4 0)	(2 0 -2)	3.280	2.535	1.29	78.8	77.8
[2 1 -1]	(2 -4 0)	(0 2 2)	3.280	2.463	1.33	88.0	111.2
[2 -1 1]	(2 4 0)	(0 2 2)	3.280	2.463	1.33	68.7	89.2
[4 2 -1]	(2 -4 0)	(1 -3 -2)	3.280	2.419	1.36	72.2	106.0
[4 2 5]	(2 -4 0)	(1 3 -2)	3.280	2.419	1.36	73.7	72.5
[4 -2 -1]	(2 4 0)	(1 1 2)	3.280	2.314	1.42	65.6	106.0
[4 2 -3]	(2 -4 0)	(1 1 2)	3.280	2.314	1.42	76.9	116.0

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[4 -2 5]	(2 4 0)	(3 1 -2)	3.280	2.276	1.44	64.5	72.5
[4 -2 7]	(2 4 0)	(3 -1 -2)	3.280	2.276	1.44	75.8	62.6
[2 1 0]	(2 -4 0)	(2 -4 -2)	3.280	2.209	1.48	58.2	100.6
[2 1 4]	(2 -4 0)	(2 4 -2)	3.280	2.209	1.48	79.2	58.3
[4 2 1]	(2 -4 0)	(1 -3 2)	3.280	2.175	1.51	55.7	94.9
[4 -2 -5]	(2 4 0)	(1 -3 2)	3.280	2.175	1.51	87.9	124.6
[4 2 3]	(2 -4 0)	(3 -3 -2)	3.280	2.143	1.53	54.7	83.4
[4 -2 9]	(2 4 0)	(3 -3 -2)	3.280	2.143	1.53	86.6	54.3
[4 -2 7]	(2 4 0)	(1 -5 -2)	3.280	2.132	1.54	65.2	62.6
[4 2 -3]	(2 -4 0)	(1 -5 -2)	3.280	2.132	1.54	63.8	116.0
[2 1 -2]	(2 -4 0)	(2 0 2)	3.280	2.055	1.60	64.5	120.5
[2 1 5]	(2 -4 0)	(4 2 -2)	3.280	1.967	1.67	74.1	50.7
[2 1 3]	(2 -4 0)	(4 -2 -2)	3.280	1.967	1.67	53.7	67.4
[4 2 -7]	(2 -4 0)	(1 5 2)	3.280	1.959	1.67	82.8	131.7
[4 -2 3]	(2 4 0)	(1 5 2)	3.280	1.959	1.67	48.2	83.4
[2 -1 3]	(2 4 0)	(0 6 2)	3.280	1.949	1.68	53.0	67.4
[2 1 -3]	(2 -4 0)	(0 6 2)	3.280	1.949	1.68	70.0	128.3
[4 2 11]	(2 -4 0)	(3 5 -2)	3.280	1.936	1.69	84.1	47.4
[4 -2 1]	(2 4 0)	(3 5 -2)	3.280	1.936	1.69	47.3	94.9
[2 1 0]	(2 -4 0)	(2 -4 2)	3.280	1.870	1.75	46.0	100.6
[2 -1 -4]	(2 4 0)	(2 -4 2)	3.280	1.870	1.75	84.8	134.7
[4 2 -5]	(2 -4 0)	(1 -7 -2)	3.280	1.844	1.78	57.9	124.6
[4 2 9]	(2 -4 0)	(1 7 -2)	3.280	1.844	1.78	59.2	54.3
[4 -2 -5]	(2 4 0)	(3 1 2)	3.280	1.783	1.84	55.0	124.6
[4 2 -7]	(2 -4 0)	(3 1 2)	3.280	1.783	1.84	64.6	131.7
[6 -3 4]	(2 4 0)	(2 0 -3)	3.280	1.752	1.87	85.6	85.3
[2 -1 1]	(2 4 0)	(1 -1 -3)	3.280	1.750	1.87	83.1	89.2
[6 -3 1]	(2 4 0)	(1 1 -3)	3.280	1.750	1.87	88.8	96.8
[4 2 11]	(2 -4 0)	(5 1 -2)	3.280	1.748	1.88	63.9	47.4
[4 -2 9]	(2 4 0)	(5 1 -2)	3.280	1.748	1.88	54.5	54.3
[2 1 2]	(2 -4 0)	(2 2 -3)	3.280	1.719	1.91	86.3	77.8
[6 3 2]	(2 -4 0)	(2 -2 -3)	3.280	1.719	1.91	77.7	93.0
[4 -2 -3]	(2 4 0)	(3 3 2)	3.280	1.717	1.91	46.3	116.0
[6 3 5]	(2 -4 0)	(1 3 -3)	3.280	1.687	1.94	75.4	81.5
[6 3 -1]	(2 -4 0)	(1 -3 -3)	3.280	1.687	1.94	81.0	104.2
[4 -2 7]	(2 4 0)	(5 3 -2)	3.280	1.686	1.95	45.9	62.6
[2 1 -2]	(2 -4 0)	(2 -8 -2)	3.280	1.684	1.95	47.7	120.5
[6 3 5]	(2 -4 0)	(3 -1 -3)	3.280	1.683	1.95	74.8	81.5
[6 -3 7]	(2 4 0)	(3 -1 -3)	3.280	1.683	1.95	82.8	74.2
[6 3 -2]	(2 -4 0)	(0 2 3)	3.280	1.677	1.96	88.2	107.8
[6 -3 2]	(2 4 0)	(0 2 3)	3.280	1.677	1.96	72.4	93.0
[2 1 0]	(2 -4 0)	(2 -4 -3)	3.280	1.633	2.01	70.4	100.6
[6 -3 8]	(2 4 0)	(2 -4 -3)	3.280	1.633	2.01	78.9	70.7
[2 1 -1]	(2 -4 0)	(1 1 3)	3.280	1.607	2.04	77.9	111.2
[6 3 -1]	(2 -4 0)	(1 -1 3)	3.280	1.607	2.04	70.1	104.2

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[6 3 -4]	(2 -4 0)	(0 4 3)	3.280	1.597	2.05	84.3	114.5
[6 3 4]	(2 -4 0)	(0 4 -3)	3.280	1.597	2.05	65.3	85.3
[4 2 -7]	(2 -4 0)	(1 -9 -2)	3.280	1.596	2.06	53.9	131.7
[4 -2 11]	(2 4 0)	(1 -9 -2)	3.280	1.596	2.06	55.1	47.4
[6 3 8]	(2 -4 0)	(4 0 -3)	3.280	1.589	2.06	72.7	70.7
[2 1 -1]	(2 -4 0)	(1 -5 -3)	3.280	1.580	2.08	74.1	111.2
[6 -3 7]	(2 4 0)	(1 -5 -3)	3.280	1.580	2.08	68.7	74.2
[6 3 10]	(2 -4 0)	(4 2 -3)	3.280	1.565	2.10	80.4	64.2
[2 -1 2]	(2 4 0)	(4 2 -3)	3.280	1.565	2.10	65.2	77.8
[6 -3 1]	(2 4 0)	(1 3 3)	3.280	1.558	2.11	62.9	96.8
[6 3 -5]	(2 -4 0)	(1 3 3)	3.280	1.558	2.11	85.5	117.6
[2 -1 -3]	(2 4 0)	(4 2 2)	3.280	1.542	2.13	48.0	128.3
[6 -3 11]	(2 4 0)	(3 -5 -3)	3.280	1.530	2.14	82.4	61.2
[6 -3 1]	(2 4 0)	(3 5 -3)	3.280	1.530	2.14	61.0	96.8
[6 -3 -2]	(2 4 0)	(2 6 -3)	3.280	1.513	2.17	64.4	107.8
[6 -3 10]	(2 4 0)	(2 -6 -3)	3.280	1.513	2.17	72.5	64.2
[6 -3 4]	(2 4 0)	(4 4 -3)	3.280	1.498	2.19	58.5	85.3
[2 -1 4]	(2 4 0)	(4 -4 -3)	3.280	1.498	2.19	87.8	58.3
[6 -3 -4]	(2 4 0)	(2 0 3)	3.280	1.495	2.19	68.7	114.5
[2 -1 -2]	(2 4 0)	(0 6 -3)	3.280	1.484	2.21	77.8	120.5
[2 -1 2]	(2 4 0)	(0 6 3)	3.280	1.484	2.21	59.5	77.8
[6 -3 -2]	(2 4 0)	(2 2 3)	3.280	1.475	2.22	61.5	107.8
[2 -1 -2]	(2 4 0)	(2 -2 3)	3.280	1.475	2.22	76.2	120.5
[2 -1 5]	(2 4 0)	(0 10 2)	3.280	1.474	2.23	46.1	50.7
[2 -1 1]	(2 4 0)	(1 5 3)	3.280	1.472	2.23	56.7	89.2
[6 3 -7]	(2 -4 0)	(1 5 3)	3.280	1.472	2.23	87.4	123.3
[6 -3 11]	(2 4 0)	(5 -1 -3)	3.280	1.463	2.24	71.4	61.2
[2 -1 3]	(2 4 0)	(5 1 -3)	3.280	1.463	2.24	64.1	67.4
[2 -1 3]	(2 4 0)	(1 -7 -3)	3.280	1.452	2.26	63.2	67.4
[6 3 -5]	(2 -4 0)	(1 -7 -3)	3.280	1.452	2.26	68.3	117.6
[6 -3 13]	(2 4 0)	(5 -3 -3)	3.280	1.426	2.30	78.7	55.6
[6 -3 7]	(2 4 0)	(5 3 -3)	3.280	1.426	2.30	57.2	74.2
[2 -1 0]	(2 4 0)	(2 4 3)	3.280	1.419	2.31	55.0	100.6
[6 3 -8]	(2 -4 0)	(2 4 3)	3.280	1.419	2.31	83.4	125.9
[6 -3 13]	(2 4 0)	(3 -7 -3)	3.280	1.413	2.32	76.3	55.6
[6 -3 -1]	(2 4 0)	(3 7 -3)	3.280	1.413	2.32	55.8	104.2
[6 -3 14]	(2 4 0)	(4 -6 -3)	3.280	1.404	2.34	85.5	53.1
[6 3 2]	(2 -4 0)	(4 -6 -3)	3.280	1.404	2.34	52.9	93.0
[2 1 4]	(2 -4 0)	(2 8 -3)	3.280	1.383	2.37	67.3	58.3
[6 3 -4]	(2 -4 0)	(2 -8 -3)	3.280	1.383	2.37	59.5	114.5
[2 1 -3]	(2 -4 0)	(1 7 3)	3.280	1.367	2.40	81.2	128.3
[6 3 5]	(2 -4 0)	(1 -7 3)	3.280	1.367	2.40	51.6	81.5
[6 3 -7]	(2 -4 0)	(3 1 3)	3.280	1.366	2.40	68.0	123.3
[6 3 -5]	(2 -4 0)	(3 -1 3)	3.280	1.366	2.40	61.0	117.6
[6 3 -8]	(2 -4 0)	(0 8 3)	3.280	1.361	2.41	72.3	125.9

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[6 3 8]	(2 -4 0)	(0 8 -3)	3.280	1.361	2.41	54.9	70.7
[6 3 5]	(2 -4 0)	(5 -5 -3)	3.280	1.360	2.41	51.2	81.5
[2 1 5]	(2 -4 0)	(5 5 -3)	3.280	1.360	2.41	85.6	50.7
[2 1 4]	(2 -4 0)	(6 0 -3)	3.280	1.344	2.44	63.7	58.3
[6 3 -10]	(2 -4 0)	(2 6 3)	3.280	1.338	2.45	89.9	130.6
[6 -3 2]	(2 4 0)	(2 6 3)	3.280	1.338	2.45	49.5	93.0
[6 3 10]	(2 -4 0)	(6 -2 -3)	3.280	1.329	2.47	56.9	64.2
[6 3 14]	(2 -4 0)	(6 2 -3)	3.280	1.329	2.47	70.6	53.1
[6 3 -7]	(2 -4 0)	(1 -9 -3)	3.280	1.321	2.48	63.7	123.3
[6 -3 11]	(2 4 0)	(1 -9 -3)	3.280	1.321	2.48	58.8	61.2
[2 1 0]	(2 -4 0)	(4 -8 -3)	3.280	1.298	2.53	48.5	100.6
[6 3 16]	(2 -4 0)	(4 8 -3)	3.280	1.298	2.53	79.8	48.5
[2 1 -1]	(2 -4 0)	(3 -9 -3)	3.280	1.292	2.54	51.8	111.2
[2 1 5]	(2 -4 0)	(3 9 -3)	3.280	1.292	2.54	71.3	50.7
[6 3 8]	(2 -4 0)	(6 -4 -3)	3.280	1.288	2.55	50.7	70.7
[6 3 16]	(2 -4 0)	(6 4 -3)	3.280	1.288	2.55	77.5	48.5
[6 3 -11]	(2 -4 0)	(3 5 3)	3.280	1.281	2.56	81.7	132.7
[6 -3 -1]	(2 4 0)	(3 5 3)	3.280	1.281	2.56	48.6	104.2
[2 1 1]	(2 -4 0)	(5 -7 -3)	3.280	1.275	2.57	46.4	89.2
[6 3 17]	(2 -4 0)	(5 7 -3)	3.280	1.275	2.57	88.2	46.4
[6 3 -11]	(2 -4 0)	(1 9 3)	3.280	1.256	2.61	76.0	132.7
[6 -3 7]	(2 4 0)	(1 9 3)	3.280	1.256	2.61	47.8	74.2
[2 1 -2]	(2 -4 0)	(2 -10 -3)	3.280	1.256	2.61	55.8	120.5
[6 -3 14]	(2 4 0)	(2 -10 -3)	3.280	1.256	2.61	63.1	53.1
[6 3 -8]	(2 -4 0)	(4 0 3)	3.280	1.251	2.62	61.1	125.9
[1 -3 0]	(3 1 0)	(0 0 1)	3.141	5.122	0.61	75.8	92.6
[1 -3 -2]	(3 1 0)	(1 1 -1)	3.141	4.880	0.64	71.6	103.3
[1 -3 4]	(3 1 0)	(1 -1 -1)	3.141	4.880	0.64	77.2	71.2
[1 3 -6]	(3 -1 0)	(0 2 1)	3.141	4.453	0.71	82.7	121.9
[1 3 6]	(3 -1 0)	(0 2 -1)	3.141	4.453	0.71	72.6	61.9
[1 3 2]	(3 -1 0)	(2 0 -1)	3.141	4.031	0.78	50.4	81.6
[1 3 -4]	(3 -1 0)	(1 1 1)	3.141	4.008	0.78	55.6	113.3
[1 -3 2]	(3 1 0)	(1 1 1)	3.141	4.008	0.78	50.0	81.6
[1 -3 10]	(3 1 0)	(1 -3 -1)	3.141	3.875	0.81	84.2	47.4
[1 -3 -8]	(3 1 0)	(1 3 -1)	3.141	3.875	0.81	71.0	129.2
[1 3 -4]	(3 -1 0)	(2 -2 -1)	3.141	3.680	0.85	49.2	113.3
[1 -3 8]	(3 1 0)	(2 -2 -1)	3.141	3.680	0.85	59.3	54.0
[1 -3 8]	(3 1 0)	(1 3 1)	3.141	3.393	0.93	52.4	54.0
[1 3 -8]	(3 -1 0)	(2 2 1)	3.141	2.957	1.06	46.2	129.2
[1 -3 -1]	(3 1 0)	(1 1 -2)	3.141	2.615	1.20	87.4	98.0
[1 3 2]	(3 -1 0)	(1 1 -2)	3.141	2.615	1.20	89.7	81.6
[1 -3 1]	(3 1 0)	(2 0 -2)	3.141	2.535	1.24	73.8	87.0
[1 3 -3]	(3 -1 0)	(0 2 2)	3.141	2.463	1.28	79.2	108.4
[1 -3 3]	(3 1 0)	(0 2 2)	3.141	2.463	1.28	73.6	76.3

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/ (hkl)	θ	To C-Axis (°)
[1 3 -4]	(3 -1 0)	(1 -3 -2)	3.141	2.419	1.30	84.9	113.3
[1 3 5]	(3 -1 0)	(1 3 -2)	3.141	2.419	1.30	87.0	66.4
[1 -3 1]	(3 1 0)	(1 1 2)	3.141	2.314	1.36	61.2	87.0
[1 3 -2]	(3 -1 0)	(1 1 2)	3.141	2.314	1.36	64.1	103.3
[1 -3 0]	(3 1 0)	(3 1 -2)	3.141	2.276	1.38	59.5	92.6
[1 -3 3]	(3 1 0)	(3 -1 -2)	3.141	2.276	1.38	62.4	76.3
[1 3 -5]	(3 -1 0)	(2 -4 -2)	3.141	2.209	1.42	70.8	117.7
[1 3 7]	(3 -1 0)	(2 4 -2)	3.141	2.209	1.42	80.9	57.8
[1 3 4]	(3 -1 0)	(1 -3 2)	3.141	2.175	1.44	60.4	71.2
[1 -3 -5]	(3 1 0)	(1 -3 2)	3.141	2.175	1.44	68.4	117.7
[1 3 -3]	(3 -1 0)	(3 -3 -2)	3.141	2.143	1.47	58.7	108.4
[1 -3 6]	(3 1 0)	(3 -3 -2)	3.141	2.143	1.47	66.7	61.9
[1 -3 8]	(3 1 0)	(1 -5 -2)	3.141	2.132	1.47	85.0	54.0
[1 3 -7]	(3 -1 0)	(1 -5 -2)	3.141	2.132	1.47	83.2	125.7
[1 3 -1]	(3 -1 0)	(2 0 2)	3.141	2.055	1.53	51.7	98.0
[1 3 5]	(3 -1 0)	(4 2 -2)	3.141	1.967	1.60	54.3	66.4
[1 3 -1]	(3 -1 0)	(4 -2 -2)	3.141	1.967	1.60	48.7	98.0
[1 3 -8]	(3 -1 0)	(1 5 2)	3.141	1.959	1.60	72.9	129.2
[1 -3 7]	(3 1 0)	(1 5 2)	3.141	1.959	1.60	61.1	57.8
[1 -3 9]	(3 1 0)	(0 6 2)	3.141	1.949	1.61	72.6	50.6
[1 3 -9]	(3 -1 0)	(0 6 2)	3.141	1.949	1.61	85.8	132.3
[1 3 9]	(3 -1 0)	(3 5 -2)	3.141	1.936	1.62	71.4	50.6
[1 -3 -6]	(3 1 0)	(3 5 -2)	3.141	1.936	1.62	59.6	121.9
[1 3 5]	(3 -1 0)	(2 -4 2)	3.141	1.870	1.68	50.5	66.4
[1 -3 -7]	(3 1 0)	(2 -4 2)	3.141	1.870	1.68	60.6	125.7
[1 3 -3]	(3 -1 0)	(3 1 2)	3.141	1.783	1.76	45.3	108.4
[3 -9 2]	(3 1 0)	(2 0 -3)	3.141	1.752	1.79	83.7	88.9
[3 -9 4]	(3 1 0)	(1 -1 -3)	3.141	1.750	1.80	85.0	85.2
[3 -9 -2]	(3 1 0)	(1 1 -3)	3.141	1.750	1.80	86.9	96.2
[1 -3 10]	(3 1 0)	(1 7 2)	3.141	1.729	1.82	62.6	47.4
[3 9 8]	(3 -1 0)	(2 2 -3)	3.141	1.719	1.83	85.7	78.0
[3 9 -4]	(3 -1 0)	(2 -2 -3)	3.141	1.719	1.83	81.9	99.8
[1 3 -6]	(3 -1 0)	(3 3 2)	3.141	1.717	1.83	49.9	121.9
[1 -3 -9]	(3 1 0)	(3 7 -2)	3.141	1.713	1.83	61.2	132.3
[3 9 10]	(3 -1 0)	(1 3 -3)	3.141	1.687	1.86	83.3	74.6
[3 9 -8]	(3 -1 0)	(1 -3 -3)	3.141	1.687	1.86	88.9	106.8
[1 3 7]	(3 -1 0)	(5 3 -2)	3.141	1.686	1.86	48.9	57.8
[1 3 0]	(3 -1 0)	(3 -1 -3)	3.141	1.683	1.87	72.9	92.6
[1 -3 2]	(3 1 0)	(3 -1 -3)	3.141	1.683	1.87	74.8	81.6
[1 3 -2]	(3 -1 0)	(0 2 3)	3.141	1.677	1.87	78.0	103.3
[1 -3 2]	(3 1 0)	(0 2 3)	3.141	1.677	1.87	74.2	81.6
[1 3 -7]	(3 -1 0)	(4 -6 -2)	3.141	1.674	1.88	51.2	125.7
[3 9 -10]	(3 -1 0)	(2 -4 -3)	3.141	1.633	1.92	80.5	110.1
[3 -9 14]	(3 1 0)	(2 -4 -3)	3.141	1.633	1.92	87.8	68.0
[3 9 -4]	(3 -1 0)	(1 1 3)	3.141	1.607	1.96	67.7	99.8

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[3 9 2]	(3 -1 0)	(1 -1 3)	3.141	1.607	1.96	65.7	88.9
[1 3 -9]	(3 -1 0)	(3 5 2)	3.141	1.604	1.96	55.2	132.3
[1 3 -4]	(3 -1 0)	(0 4 3)	3.141	1.597	1.97	80.4	113.3
[1 3 4]	(3 -1 0)	(0 4 -3)	3.141	1.597	1.97	73.1	71.2
[3 9 4]	(3 -1 0)	(4 0 -3)	3.141	1.589	1.98	64.8	85.2
[3 9 -14]	(3 -1 0)	(1 -5 -3)	3.141	1.580	1.99	89.3	116.3
[3 -9 16]	(3 1 0)	(1 -5 -3)	3.141	1.580	1.99	81.9	64.9
[1 3 10]	(3 -1 0)	(5 5 -2)	3.141	1.579	1.99	54.2	47.4
[3 9 10]	(3 -1 0)	(4 2 -3)	3.141	1.565	2.01	67.1	74.6
[3 -9 -2]	(3 1 0)	(4 2 -3)	3.141	1.565	2.01	63.2	96.2
[3 -9 8]	(3 1 0)	(1 3 3)	3.141	1.558	2.02	64.6	78.0
[3 9 -10]	(3 -1 0)	(1 3 3)	3.141	1.558	2.02	70.2	110.1
[1 -3 6]	(3 1 0)	(3 -5 -3)	3.141	1.530	2.05	79.7	61.9
[1 -3 -4]	(3 1 0)	(3 5 -3)	3.141	1.530	2.05	70.9	113.3
[3 -9 -16]	(3 1 0)	(2 6 -3)	3.141	1.513	2.08	79.5	119.2
[3 -9 20]	(3 1 0)	(2 -6 -3)	3.141	1.513	2.08	89.6	59.2
[3 -9 -8]	(3 1 0)	(4 4 -3)	3.141	1.498	2.10	62.6	106.8
[3 -9 16]	(3 1 0)	(4 -4 -3)	3.141	1.498	2.10	69.9	64.9
[3 -9 -2]	(3 1 0)	(2 0 3)	3.141	1.495	2.10	58.6	96.2
[1 -3 -6]	(3 1 0)	(0 6 -3)	3.141	1.484	2.12	82.7	121.9
[1 -3 6]	(3 1 0)	(0 6 3)	3.141	1.484	2.12	72.6	61.9
[3 -9 4]	(3 1 0)	(2 2 3)	3.141	1.475	2.13	57.1	85.2
[3 -9 -8]	(3 1 0)	(2 -2 3)	3.141	1.475	2.13	60.9	106.8
[3 -9 14]	(3 1 0)	(1 5 3)	3.141	1.472	2.13	64.3	68.0
[3 9 -16]	(3 -1 0)	(1 5 3)	3.141	1.472	2.13	73.1	119.2
[1 -3 9]	(3 1 0)	(3 7 2)	3.141	1.471	2.14	46.1	50.6
[3 -9 8]	(3 1 0)	(5 -1 -3)	3.141	1.463	2.15	58.1	78.0
[3 -9 2]	(3 1 0)	(5 1 -3)	3.141	1.463	2.15	56.1	88.9
[1 -3 9]	(3 1 0)	(6 -4 -2)	3.141	1.454	2.16	45.4	50.6
[3 -9 22]	(3 1 0)	(1 -7 -3)	3.141	1.452	2.16	81.0	56.5
[3 9 -20]	(3 -1 0)	(1 -7 -3)	3.141	1.452	2.16	87.7	124.5
[1 -3 -8]	(3 1 0)	(5 7 -2)	3.141	1.451	2.16	45.1	129.2
[3 -9 14]	(3 1 0)	(5 -3 -3)	3.141	1.426	2.20	60.8	68.0
[3 -9 -4]	(3 1 0)	(5 3 -3)	3.141	1.426	2.20	55.2	99.8
[3 -9 10]	(3 1 0)	(2 4 3)	3.141	1.419	2.21	56.6	74.6
[3 9 -14]	(3 -1 0)	(2 4 3)	3.141	1.419	2.21	63.9	116.3
[1 -3 8]	(3 1 0)	(3 -7 -3)	3.141	1.413	2.22	82.1	54.0
[1 -3 -6]	(3 1 0)	(3 7 -3)	3.141	1.413	2.22	70.8	121.9
[3 -9 22]	(3 1 0)	(4 -6 -3)	3.141	1.404	2.24	72.8	56.5
[3 9 -14]	(3 -1 0)	(4 -6 -3)	3.141	1.404	2.24	62.7	116.3
[3 9 26]	(3 -1 0)	(2 8 -3)	3.141	1.383	2.27	88.8	51.7
[3 9 -22]	(3 -1 0)	(2 -8 -3)	3.141	1.383	2.27	78.8	126.9
[3 9 -22]	(3 -1 0)	(1 7 3)	3.141	1.367	2.30	75.9	126.9
[3 9 20]	(3 -1 0)	(1 -7 3)	3.141	1.367	2.30	64.6	59.2
[1 3 -2]	(3 -1 0)	(3 1 3)	3.141	1.366	2.30	52.8	103.3

(a 9.8787Å b 18.024Å c 5.2875Å α 90° β 104.377° γ 90°, Monoclinic)

[Space Group C2/m permits only (h+k)=2n diffractions]

Zone Axis	(h k 0)	(h k l)	d (hk0)	d (hkl)	(hk0)/(hkl)	θ	To C-Axis (°)
[1 3 0]	(3 -1 0)	(3 -1 3)	3.141	1.366	2.30	50.9	92.6
[1 3 -8]	(3 -1 0)	(0 8 3)	3.141	1.361	2.31	84.9	129.2
[1 3 8]	(3 -1 0)	(0 8 -3)	3.141	1.361	2.31	72.5	54.0
[3 9 -10]	(3 -1 0)	(5 -5 -3)	3.141	1.360	2.31	55.2	110.1
[3 9 20]	(3 -1 0)	(5 5 -3)	3.141	1.360	2.31	64.0	59.2
[1 3 2]	(3 -1 0)	(6 0 -3)	3.141	1.344	2.34	50.4	81.6
[3 9 -20]	(3 -1 0)	(2 6 3)	3.141	1.338	2.35	67.1	124.5
[3 -9 16]	(3 1 0)	(2 6 3)	3.141	1.338	2.35	57.0	64.9
[1 3 0]	(3 -1 0)	(6 -2 -3)	3.141	1.329	2.36	49.0	92.6
[1 3 4]	(3 -1 0)	(6 2 -3)	3.141	1.329	2.36	52.8	71.2
[3 9 -26]	(3 -1 0)	(1 -9 -3)	3.141	1.321	2.38	86.5	131.3
[3 -9 28]	(3 1 0)	(1 -9 -3)	3.141	1.321	2.38	80.3	49.5
[3 9 -20]	(3 -1 0)	(4 -8 -3)	3.141	1.298	2.42	63.3	124.5
[3 9 28]	(3 -1 0)	(4 8 -3)	3.141	1.298	2.42	75.6	49.5
[1 3 -8]	(3 -1 0)	(3 -9 -3)	3.141	1.292	2.43	71.0	129.2
[1 3 10]	(3 -1 0)	(3 9 -3)	3.141	1.292	2.43	84.2	47.4
[1 3 -2]	(3 -1 0)	(6 -4 -3)	3.141	1.288	2.44	48.7	103.3
[1 3 6]	(3 -1 0)	(6 4 -3)	3.141	1.288	2.44	55.9	61.9
[1 3 -6]	(3 -1 0)	(3 5 3)	3.141	1.281	2.45	58.9	121.9
[1 -3 4]	(3 1 0)	(3 5 3)	3.141	1.281	2.45	50.2	71.2
[3 9 -16]	(3 -1 0)	(5 -7 -3)	3.141	1.275	2.46	56.0	119.2
[3 9 26]	(3 -1 0)	(5 7 -3)	3.141	1.275	2.46	67.2	51.7
[3 9 -28]	(3 -1 0)	(1 9 3)	3.141	1.256	2.50	78.5	133.3
[3 -9 26]	(3 1 0)	(1 9 3)	3.141	1.256	2.50	65.3	51.7
[3 9 -28]	(3 -1 0)	(2 -10 -3)	3.141	1.256	2.50	78.5	133.3
[3 -9 32]	(3 1 0)	(2 -10 -3)	3.141	1.256	2.50	87.5	45.5
[3 9 -4]	(3 -1 0)	(4 0 3)	3.141	1.251	2.51	46.1	99.8

TOTAL NUMBER OF (HK0)/(HKL) PAIRS: 831

Winchite

a = 9.8787
b = 18.0240
c = 5.2875
alpha = 90.0000
beta = 104.3770
gamma = 90.0000