

Rhodochrosite, MnCO₃

Rhodochrosite

Maslen E N, Streltsov V A, Streltsova N R, Ishizawa N

Acta Crystallographica B51 (1995) 929-939

Electron density and optical anisotropy in rhombohedral carbonates.

III. Synchrotron X-ray studies of CaCO₃, MgCO₃ and MnCO₃

4.773 4.773 15.642 90 90 120 R-3c

atom	x	y	z	Wyckoff
Mn	0	0	0	6b
C	0	0	0.25	6a
O	0.2695	0	0.25	18e

Raman Active Modes

WP	A _{1g}	A _{1u}	A _{2g}	A _{2u}	E _u	E _g
18e	1	.	.	.	.	3
6b	.	.	.	.	.	.
6a	.	.	.	.	.	1

Total number of modes:

$$1A_{1g} + 4E_g = 5$$