

Magnesite, MgCO₃

Magnesite

Markgraf S A, Reeder R J

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High-temperature structure refinements of calcite and magnesite

4.635 4.635 15.019 90 90 120 R-3c

atom	x	y	z	Wyckoff
Mg	0	0	0	6b
C	0	0	0.25	6a
O	0.2778	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:

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