

Melansonite



Crystal Data: Orthorhombic. *Point Group:* 2/m 2/m 2/m.

Physical Properties: *Cleavage:* *Tenacity:* *Fracture:*
Hardness = D(meas.) = D(calc.) =

Optical Properties: *Color:* *Streak:* *Luster:*
Optical Class:

Cell Data: *Space Group:* Pmma. $a = 24.063(5)$ $b = 6.982(1)$ $c = 6.526(1)$

X-Ray Diffraction Pattern: Poudrette Quarry, Mont Saint-Hilaire, La Vallée-du-Richelieu RCM, Montérégie, Québec, Canada.
11.988 (100), 3.060 (29), 6.971 (27), 2.881 (25), 6.529 (19), 4.429 (15), 3.429 (15), 2.750 (11)

Chemistry:

Polymorphism & Series:

Mineral Group: Rhodesite group.

Occurrence:

Association:

Distribution: From Poudrette quarry, Mont Saint-Hilaire, La Vallée-du-Richelieu RCM, Montérégie, Québec, Canada.

Name:

Type Material: Canadian Museum of Nature, Ottawa, Ontario, Canada (CMNMC 87258).

References: (1) Miyawaki R., F. Hatert, M. Pasero, and S.J. Mills (2019) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 52. New minerals and nomenclature modifications approved in 2019. *Mineral. Mag.*, 83(6), 887-888.