

Poellmannite

Crystal Data: Hexagonal. *Point Group:* $\bar{3}$.

Physical Properties: *Cleavage:* *Tenacity:* *Fracture:*

Hardness = D(meas.) = D(calc.) =

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

Optical Class:

Cell Data: *Space Group:* $R\bar{3}$. $a = 9.9643(2)$ $c = 30.2212(7)$

X-Ray Diffraction Pattern: Near Hatrurim Junction, Hatrurim Basin, Negev Desert, Israel.

10.12 (100), 5.04 (81), 2.497 (34), 2.877 (33), 3.544 (31), 4.47 (23), 2.418 (22)

Chemistry:

Polymorphism & Series:

Mineral Group: Hydrotalcite supergroup.

Occurrence:

Association:

Distribution: From ~2 km southeast of the Hatrurim Junction (road no. 31), Hatrurim Basin, Negev Desert, Israel.

Name:

Type Material: A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (5798/1).

References: (1) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2022) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 66. *Eur. J. Mineral.*, 34, 256.