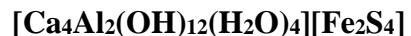


Mariakrite

Crystal Data: Triclinic. *Point Group:* $\bar{1}$.

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

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

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

Optical Class:

Cell Data: *Space Group:* $P\bar{1}$. $a = 5.7107(2)$ $b = 9.9952(4)$ $c = 10.9095(4)$ $\alpha = 98.678(3)^\circ$

$\beta = 90.100(3)^\circ$ $\gamma = 90.019(3)^\circ$

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

10.83 (100), 5.42 (75), 9.90 (39), 2.856 (37), 2.400 (23), 3.96 (22), 2.241 (20)

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 (5694/1).

References: (1) Miyawaki, R., F. Hatert, M. Pasero, and S.J. Mills (2022) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 65. Eur. J. Mineral., 34, 147.