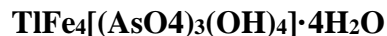


Thalliumpharmacosiderite

Crystal Data: Cubic. *Point Group:* $\bar{4} 3m$.

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

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

Optical Class:

Cell Data: *Space Group:* $P\bar{4} 3m$. $a = 7.987(8)$ $Z = 1$

X-ray Powder Pattern: Crven Dol Canyon, Rozsdan region, Macedonia.

2.832 (100), 2.525 (87), 1.784 (73), 3.266 (67), 2.414 (60), 2.309 (60), 2.665 (53)

Chemistry:

Polymorphism & Series:

Mineral Group: Pharmacosiderite group, pharmacosiderite supergroup.

Occurrence:

Association:

Distribution: From Crven Dol Canyon, Rozsdan region, Macedonia [TL].

Name: Indicates the thallium analog of pharmacosiderite.

Type Material: Museum Victoria, Melbourne, Australia (M52852 and M52853) and the Type Collection, Natural History Museum, London, England (BM 2013,151).

References: (1) Williams, P.A., F. Hatert, M. Pasero, and S.J. Mills (2014) IMA Commission on new minerals, nomenclature and classification (CNMNC) Newsletter 20. New minerals and nomenclature modifications approved in 2014. *Mineral. Mag.*, 78, 553.