

Crystal Data: Orthorhombic. *Point Group:* $2/m\ 2/m\ 2/m$. As spherical aggregates of prismatic crystals to 0.5 mm, elongated along [010].

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

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

Cell Data: *Space Group:* $Pnma$. $a = 9.554(5)$ $b = 5.534(3)$ $c = 9.429(5)$ $Z = 4$

X-Ray Diffraction Pattern: Kleines Fleisstal, Carinthia, Austria.
4.30 (100), 6.76 (99), 2.641 (95), 4.25 (87), 3.378 (70), 2.386 (67), 2.676 (57)

Chemistry:

Mineral Group: The Fe^{2+} equivalent of gravegliaite.

Occurrence: In an alpine cleft.

Association: Quartz, muscovite, monazite-(Ce), siderite, pyrite.

Distribution: At Mokritzen, Kleines Fleisstal, ~4 km west of Mt. Hoher Sonnblick, Carinthia, Austria.

Name: For its type locality Kleines *Fleisstal*.

Type Material: Mineralogical collection, Universalmuseum Joanneum, Graz, Austria (85.515).

References: (1) Walter, F. and H.P. Bojar (2017) Fleisstalite, $\text{Fe}^{2+}(\text{SO}_3)\cdot 3\text{H}_2\text{O}$, a new sulfite mineral species. *Mitteilungen der Österreichischen Mineralogischen Gesellschaft*, 163, 92 (abstract).
(2) Hålenius U, F. Hatert, M. Pasero, and S.J. Mills (2016) IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 33. New minerals and nomenclature modifications approved in 2016. *Mineral. Mag.*, 80, 1136-1137.