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Crystal Data: Monoclinic. Point Group: 2/m. As botryoidal to stalactitic masses and efflorescences.

Physical Properties: Fracture: Splintery to granular. Tenacity: [Brittle.] Hardness = 1.5 D(meas.) = 3.15 D(calc.) = 2.946 Soluble in H_2O .

Optical Properties: Semitransparent. Color: Grayish white, pale pink, pale red, rose-red. Optical Class: Biaxial (+). Orientation: Z = b. $\alpha = 1.562(3)$ $\beta = 1.595(3)$ $\gamma = 1.632(3)$ $2V(\text{meas.}) = \sim 90^{\circ}$

Cell Data: Space Group: C2/c (synthetic). a = 7.116(1) b = 7.667(1) c = 7.920(2) $\beta = 118.11(1)^{\circ}$ Z = 4

X-ray Powder Pattern: Synthetic.

3.507(100), 4.916(50), 3.139(40), 4.855(30), 3.361(30), 2.580(30), 3.445(20)

Chemistry:

	(1)	(2)
MnO	41.70	41.97
SO_3	47.27	47.37
$\rm H_2 m O$	11.05	10.66
Total	100.02	100.00

(1) Baia Sprie, Romania; average of two analyses. (2) ${\rm MnSO_4} \bullet {\rm H_2O}.$

Mineral Group: Kieserite group.

Occurrence: A rare post-mining incrustation.

Association: Jokokuite (Jokoku mine, Japan).

Distribution: In Romania, from Baia Sprie (Felsőbánya) and in the Borzaş gold mine, Gutâi Mountains. In the Jokoku mine, southwest Hokkaido, Japan. At the Silver King mine, Galena Hill, Yukon Territory, Canada.

Name: Honors Ignaz Nathaniel Szmik (1815–1881), Hungarian mining official at Felsőbánya, Hungary (now Baia Sprie, Romania), who discovered the mineral.

References: (1) Palache, C., H. Berman, and C. Frondel (1951) Dana's system of mineralogy, (7th edition), v. II, 481. (2) Wildner, M. and G. Giester (1991) The crystal structures of kieserite-type compounds. I. Crystal structures of Me(II)SO₄ • H₂O (Me = Mn,Fe,Co,Ni,Zn). Neues Jahrb. Mineral., Monatsh., 296–306. (3) (1979) NBS Mono 25, 16, 49.