Crystal Data: Orthorhombic. Point Group: 2/m 2/m 2/m. As pseudohexagonal prismatic crystals elongated along [010], to 0.5 mm; typically as radial or sheaflike aggregates.

Physical Properties: Cleavage: One || [010]. Hardness = n.d. D(meas.) = n.d. D(calc.) = 2.39

Optical Properties: Transparent. Color: Colorless. Streak: White. Luster: Vitreous. Optical Class: Biaxial (+). Orientation: Z = b. Dispersion: Strong. $\alpha = 1.590(2)$ $\beta = 1.596(2)$ $\gamma = 1.636(2)$ $2V(meas.) = 41(3)^{\circ}$ $2V(calc.) = 43^{\circ}$

Cell Data: Space Group: Pnma. a = 9.763(1) b = 5.635(1) c = 9.558(1) Z = 4

X-ray Powder Pattern: Gambatesa mine, Italy. 4.33 (VS), 3.43 (VS), 6.83 (S), 2.704 (M), 2.666 (M), 2.414 (M), 1.726 (M)

Chemistry:		(1)	(2)
	SO_2	33.51	33.89
	MnŌ	37.83	37.52
	H ₂ O	[28.66]	28.59
	Total	[100.00]	100.00

(1) Gambatesa mine, Italy; by electron microprobe, averages of 13 analyses of 3 crystals, H_2O by difference; corresponds to $Mn_{1.01}(SO_3)_{0.99} \cdot 3.01H_2O$. (2) $Mn(SO_3) \cdot 3H_2O$.

Occurrence: Very rare, along fractures in metamorphosed manganiferous layers in radiolarian cherts in an ophiolite sequence.

Association: Tephroite, bementite, braunite, hausmannite, hematite.

Distribution: From the Gambatesa mine, near Reppia, Val Graveglia, Liguria, Italy.

Name: For Val Graveglia, Italy, within which the Gambatesa mine is located.

Type Material: Department of Earth Sciences, University of Genoa, Genoa, Italy.

References: (1) Basso, R., G. Lucchetti, and A. Palenzona (1991) Gravegliaite, MnSO₃•3H₂O,

a new mineral from Val Graveglia (Northern Apennines, Italy). Zeits. Krist., 197, 97–106. (2) (1992) Amer. Mineral., 77, 672 (abs. ref. 1).