

Crystal Data: Hexagonal. *Point Group:* $\bar{3} 2/m$. As incrustations on rock, intermixed with other salts.

Physical Properties: *Cleavage:* {0001}, perfect, inferred from crystal structure. Hardness = Soft. $D(\text{meas.}) = 2.98$ $D(\text{calc.}) = 3.04$ Deliquescent; soluble in H₂O.

Optical Properties: Semitransparent. *Color:* Colorless when fresh, turning rose-red, then brown on exposure.

Optical Class: Uniaxial (-). $\epsilon = 1.708$ $\alpha = 1.622$

Cell Data: *Space Group:* $R\bar{3}m$ (synthetic). $a = 3.711(2)$ $c = 17.59(7)$ $Z = 3$

X-ray Powder Pattern: Synthetic.

5.85 (100), 2.592 (80), 3.161 (25), 1.8529 (25), 1.8118 (25), 1.7663 (13), 1.977 (11)

Chemistry: Analyses are lacking.

Occurrence: A product of fumarolic activity.

Association: Halite, sylvite, other chlorides.

Distribution: On Vesuvius, Campania, Italy.

Name: To honor Professor Arcangelo Scacchi (1810–1893), Italian mineralogist, University of Naples, Naples, Italy.

References: (1) Palache, C., H. Berman, and C. Frondel (1951) Dana's system of mineralogy, (7th edition), v. II, 40–41. (2) Tornero, J.D. and J. Fayos (1990) Single crystal structure refinement of MnCl₂. *Zeits. Krist.*, 192, 147–148. (3) (1970) NBS Mono. 25, 8, 43.