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Crystal Data: Hexagonal. Point Group: $\overline{3}$ 2/m. As rhombohedra, which may be in parallel groupings.

 $\begin{array}{lll} \textbf{Physical Properties:} & \textit{Fracture: Conchoidal.} & \textit{Tenacity: Brittle.} & \textit{Hardness} = 2.5 \\ D(\text{meas.}) = 2.31; \ 2.315 \ (\text{synthetic}). & D(\text{calc.}) = 2.303 \ (\text{synthetic}). & \text{Readily soluble in H_2O;} \\ deliquescent. & \end{array}$

Optical Properties: Transparent. Color: Pale wine-yellow, lemon-yellow, canary-yellow.

Luster: Vitreous.

Optical Class: Uniaxial (+). n = 1.59, low birefringence.

Cell Data: Space Group: $R\overline{3}m$ (synthetic). a = 11.93 c = 14.79 Z = 6

X-ray Powder Pattern: Synthetic. (ICDD 3-856).

2.55 (100), 2.69 (80), 5.90 (50), 3.55 (50), 2.82 (28), 3.45 (24), 2.50 (24)

Chemistry:

| | (1) | (2) |
|---------------------|-------|--------|
| KCl | 69.42 | 70.32 |
| MnCl_2 | 26.45 | 29.68 |
| MgCl_2 | 0.16 | |
| $\mathrm{Na_2SO_4}$ | 1.19 | |
| $\mathrm{H_2O}$ | 1.52 | |
| insol. | 0.71 | |
| Total | 99.45 | 100.00 |

(1) Vesuvius, Italy. (2) K_4MnCl_6 .

Occurrence: In cavities in ejected scoria.

Association: Halite, sylvite, hematite.

Distribution: On Vesuvius, Campania, Italy.

Name: For CHLORine, MANGANese, and potassium (KALium), in its composition.

Type Material: Natural History Museum, Paris, France, 106.340, 106.341 [decomposed]; The Natural History Museum, London, England, 1907,191–193.

References: (1) Palache, C., H. Berman, and C. Frondel (1951) Dana's system of mineralogy, (7th edition), v. II, 109. (2) Bellanca, A. (1947) La struttura della cloromanganocalite. Periodico Miner. 16(1–2), 73–88 (in Italian).