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

**Physical Properties:** Fracture: Conchoidal. Tenacity: Brittle. Hardness = 2.5D(meas.) = 2.31; 2.315 (synthetic). D(calc.) = 2.303 (synthetic). Readily soluble in  $H_2O$ ; deliquescent.

**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 $\mathbf{Z} = \mathbf{6}$ c = 14.79

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
$\mathrm{MgCl}_2$	0.16	
$\operatorname{Na_2SO}_4$	1.19	
$H_2O$	1.52	
insol.	0.71	
Total	99.45	100.00

(1) Vesuvius, Italy. (2)  $K_4$ MnCl<sub>6</sub>.

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).