Crystal Data: Hexagonal. Point Group: 6mm, $\overline{6}m2$, or 6/m 2/m 2/m. As anhedral grains, in veinlets a few mm thick.

Hardness = 6-7 D(meas.) = 2.35 D(calc.) = 2.365Physical Properties:

Optical Properties: Transparent. Color: Pale blue-violet.

Optical Class: Uniaxial (+). $\omega = 1.491$ $\epsilon = 1.507$

Cell Data: Space Group: $P6_3mc$, $P\overline{6}2c$, or $P6_3/mmc$. a = 12.850(1) c = 42.22(3) Z = 8

X-ray Powder Pattern: Sacrofano, Italy.

3.712 (100), 3.446 (80), 3.126 (70), 2.141 (66), 6.42 (62), 2.640 (62), 4.318 (53)

Chemistry:

	(1)
SiO_2	33.25
$\mathrm{Al_2O_3}$	28.56
$\mathrm{Fe_2O_3}$	0.03
CaO	4.85
Na_2O	14.37
K_2O	8.00
Cl	0.78
SO_3	9.92
$-O = Cl_2$	0.18
Total	99.58

(1) Sacrofano, Italy; by electron microprobe, SO₃ confirmed by IR; corresponds to $(Na_{5.0}K_{1.8}Ca_{1.0})_{\Sigma=7.8}(Al_{6.05}Si_{5.95})_{\Sigma=12.00}O_{24}(SO_4)_{1.8}Cl_{0.25}.$

Mineral Group: Cancrinite group.

Occurrence: As veinlets in a block of sanidinite volcanic ejecta.

Association: Potassic feldspar, nepheline, haüyne, biotite, kalsilite.

Distribution: At Sacrofano, in the Biachella Valley, Lazio, Italy.

Name: Honors Giuseppe Giuseppetti, Professor of Mineralogy, University of Pavia, Pavia, Italy.

Type Material: University of Pavia, Pavia, Italy.

References: (1) Mazzi, F. and C. Tadini (1981) Giuseppettite, a new mineral from Sacrofano (Italy), related to the cancrinite group. Neues Jahrb. Mineral., Monatsh., 103–110. (2) (1982) Amer. Mineral., 67, 415 (abs. ref. 1).