

Crystal Data: Hexagonal. *Point Group:* 6. Hexagonal prisms, consisting of $\{10\bar{1}0\}$ and $\{0001\}$, elongated along $[0001]$, to 4 mm.

Physical Properties: *Fracture:* Subconchoidal. *Tenacity:* Brittle. Hardness = ~ 5
D(meas.) = 2.37(4) D(calc.) = 2.394

Optical Properties: Transparent. *Color:* Colorless. *Streak:* White. *Luster:* Vitreous.
Optical Class: Uniaxial (-). $\omega = 1.508(1)$ $\epsilon = 1.506(1)$

Cell Data: *Space Group:* $P6_3$. $a = 22.121(3)$ $c = 5.221(1)$ $Z = 3$

X-ray Powder Pattern: Pitigliano, Italy.
4.77 (vs), 3.27 (vs), 6.39 (s), 3.69 (m), 2.769 (m), 2.650 (m), 5.54 (w)

Chemistry:	(1)
	SiO ₂ 34.99
	Al ₂ O ₃ 29.05
	CaO 0.07
	Na ₂ O 17.10
	K ₂ O 9.41
	Cl 0.01
	H ₂ O [3.46]
	SO ₃ 7.58
	Total [101.67]

(1) Pitigliano, Italy; by electron microprobe, average of seven analyses, H₂O calculated from theoretical composition; corresponding to $\text{K}_{2.08}\text{Na}_{5.75}\text{Ca}_{0.01}\text{Si}_{6.07}\text{Al}_{5.93}\text{O}_{24}(\text{S}_{0.99}\text{O}_4) \cdot 2.00\text{H}_2\text{O}$.

Mineral Group: Cancrinite group.

Occurrence: In metasomatized blocks of volcanic ejecta.

Association: Apatite, diopside, grossular.

Distribution: From Case Collina, Pitigliano, near Grosseto, Tuscany, Italy.

Name: For the locality at Pitigliano, Italy.

Type Material: University of Pisa, Pisa, Italy.

References: (1) Merlino, S., M. Mellini, E. Bonaccorsi, M. Pasero, L. Leoni, and P. Orlandi (1991) Pitiglianoite, a new feldspathoid from southern Tuscany, Italy: chemical composition and crystal structure. *Amer. Mineral.*, 76, 2003–2008.