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Crystal Data: Monoclinic. Point Group: 2. Elongated tabular crystals, to 5 mm; also massive. Twinning: On {100} common, simple or multiple.

Physical Properties: Cleavage: $\{100\}$, perfect. Hardness = 5.5–6 D(meas.) = 2.93 D(calc.) = 2.92

Optical Properties: Transparent to translucent. *Color:* White, may be zoned or mottled. *Luster:* Vitreous.

Optical Class: Biaxial (+) or (-). Orientation: $Z = b; X \wedge c = 16^{\circ} - 28^{\circ}$. Dispersion: r > v, marked. $\alpha = 1.600 - 1.603$ $\beta = 1.606 - 1.609$ $\gamma = 1.614 - 1.615$ $2V(\text{meas.}) = 83^{\circ} - 90^{\circ}$

Cell Data: Space Group: $P2_1$. a = 12.06(1) b = 5.08(2) c = 10.81(1) $\beta = 106.0^{\circ}$ Z = 2

X-ray Powder Pattern: Albano, Italy. 2.86 (s1), 3.06 (s2), 2.96 (s3), 2.54 (s), 4.6 (m), 4.5 (m), 3.83 (m)

Chemistry:

	(1)		(1)
SiO_2	28.33	$\mathrm{K_{2}O}$	7.20
$\mathrm{Al_2O_3}$	24.67	Cl	0.14
Fe_2O_3	0.50	$\mathrm{H_2O^+}$	0.27
FeO	0.55	$\mathrm{H_2O^-}$	0.00
MnO	0.02	CO_2	1.60
MgO	0.76	SO_3	5.42
CaO	29.41	$-O = Cl_2$	0.03
${ m Na_2O}$	1.11	Total	99.95

 $\begin{array}{l} \text{(1) Albano, Italy; combination of two partial analyses, corresponding to } (Ca_{5.91}K_{1.73}Na_{0.40})_{\Sigma=8.04} \\ (Al_{0.76}Mg_{0.21}Fe_{0.09}^{2+}Fe_{0.07}^{3+})_{\Sigma=1.03}(Si_{5.31}Al_{4.69})_{\Sigma=10.00}O_{25}[(SO_4)_{0.76}(CO_3)_{0.40}Cl_{0.02}]_{\Sigma=1.18}. \end{array}$

Occurrence: In blocks of metamorphosed limestone ejected by volcanism.

Association: Hedenbergite, grossular-andradite, melilite, leucite, haüyne, kaliophilite.

Distribution: From Albano, in the Alban Hills, Lazio, and from Pitigliano, near Grosseto, Tuscany, Italy.

Name: For the Latin name of the district of origin, Latium, Italy.

Type Material: Cambridge University, Cambridge, England, 45482, 29799.

References: (1) Tilley, C.E. and N.F.M. Henry (1953) Latiumite (sulphatic potassium-calcium-aluminum silicate), a new mineral from Albano, Latium, Italy. Mineral. Mag., 30, 39–45. (2) (1954) Amer. Mineral., 39, 402–403 (abs. ref. 1). (3) Cannillo, E., A. Dal Negro, and G. Rossi (1973) The crystal structure of latiumite, a new type of sheet silicate. Amer. Mineral., 58, 466–470.