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Crystal Data: Hexagonal. Point Group: $\overline{3}$ 2/m. Crystals are thin tabular \bot {0001}, with faces typically striated and {0001} rounded, to 3 cm; in sheaflike or confused aggregates. Twinning: Penetration twins on {0001} ubiquitous.

Physical Properties: Cleavage: $\{10\overline{1}1\}$, indistinct. Fracture: Subconchoidal to uneven. Tenacity: Brittle. Hardness = 4-4.5 D(meas.) = 2.09-2.16 D(calc.) = 2.121

Optical Properties: Transparent to translucent. *Color:* Colorless, white; stained grayish, greenish, reddish, yellowish by impurities; colorless in thin section. *Streak:* White. *Luster:* Vitreous.

Optical Class: Uniaxial (-); may be biaxial (-). $\omega = 1.496 - 1.505$ $\epsilon = 1.491 - 1.500$

99.99

Cell Data: Space Group: $R\overline{3}m$. a = 13.338(4) c = 23.014(9) Z = 3

X-ray Powder Pattern: Beech Creek, Oregon, USA. 4.084 (100), 2.805 (60), 6.69 (24), 8.15 (20), 3.854 (18), 3.156 (17), 3.338 (16)

Chemistry:		(1)	(2)	(3)
	SiO_2	46.76	43.88	49.76
	$\overline{\mathrm{Al_2O_3}}$	21.91	22.73	19.09
	$\overline{\text{CaO}}$	11.12	10.57	8.88
	Na_2O	1.34	2.01	1.71
	K_2O	0.21	0.80	1.05
	$\overline{\mathrm{H}_{2}^{-}}\mathrm{O}^{+}$		14.87	
	$\overline{\mathrm{H}_{2}^{-}}\mathrm{O}^{-}$		5.67	
	$\overline{\mathrm{H_2O}}$	18.65		19.51

Total

(1) Table Mountain, Colorado, USA. (2) Kuniga, Oki Islands, Japan; corresponds to $(Ca_{0.96}Na_{0.33}K_{0.09})_{\Sigma=1.38}Al_{2.27}Si_{3.72}O_{12} \cdot 5.8H_2O$. (3) Near Montresta, Sardinia, Italy; by electron microprobe, H_2O by TGA; corresponding to $(Ca_{0.79}Na_{0.27}K_{0.11})_{\Sigma=1.17}Al_{1.86}Si_{4.12}O_{12} \cdot 5.38H_2O$.

100.53

100.00

Mineral Group: Zeolite group.

Occurrence: Typically as a crystalline lining in cavities in basalts.

Association: Zeolites, especially offretite and erionite.

Distribution: Numerous localities, even for fine specimens. From near Dalsnipa, on Sandoy; Rossafelli and Nesvik, on Streymoy; and elsewhere on the Faeroe Islands. In Iceland, many localities, as at Mjöadalsá Canyon; Onundarfjord; Dyrafjord; around Berufjord, etc. In the USA, at Table Mountain, Jefferson Co., Colorado; from Spray, Wheeler Co., Beech Creek, Grant Co., and Goble, Colombia Co., Oregon. In Ireland, from Dungiven, Magilligan, and elsewhere in Co. Londonderry; and on Island Magee and in the Parkgate quarry, Templepatrick, Co. Antrim. From Cinchwad, Poona district, Maharashtra, India. Found at Flinders and on Victoria Island, Victoria, Australia.

Name: After Armand Lévy (1794–1841), French mineralogist and crystallographer.

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