

Crystal Data: Hexagonal. *Point Group:* $6mm$. As prismatic crystals, elongated along $[0001]$, to 1 mm, showing pyramidal hemimorphism, with $\{000\bar{1}\}$ and $\{10\bar{1}0\}$ well developed, $\{10\bar{1}1\}$ small; may be tabular $\parallel \{0001\}$; in randomly intergrown rosettelike aggregates; cleavage fragments, to 10 cm.

Physical Properties: *Cleavage:* $\{10\bar{1}0\}$, distinct. Hardness = ~ 9 $D(\text{meas.}) = 3.017$ $D(\text{calc.}) = 3.044$ Pyroelectric; fluoresces yellowish white in both LW and SW UV.

Optical Properties: Transparent. *Color:* White to creamy white. *Luster:* Vitreous. *Optical Class:* Uniaxial (+). $\omega = 1.705\text{--}1.719$ $\epsilon = 1.733$

Cell Data: *Space Group:* $P6_3mc$ (synthetic). $a = 2.6983(4)$ $c = 4.3776(4)$ $Z = 2$

X-ray Powder Pattern: Synthetic.

2.061 (100), 2.337 (91), 2.189 (61), 1.349 (29), 1.238 (24), 1.598 (22), 1.1482 (16)

Chemistry:

	(1)	(2)
SiO ₂		0.7
Al ₂ O ₃	0.17	1.2
B ₂ O ₃		1.4
Fe ₂ O ₃		0.1
Sb ₂ O ₃	0.29	
MnO	trace	
BeO	98.02	93.2
MgO	0.07	
CaO	1.03	0.1
BaO	0.55	
LOI	0.85	3.4
Total	100.98	100.1

(1) Långban, Sweden. (2) Langesundsfjord, Norway; by AA and D-C arc spectroscopy.

Occurrence: In hydrothermal calcite veins and veinlets in hematite skarn and skarnized limestones (Långban, Sweden); in vugs in natrolite, hydrothermally altered from nepheline, in syenite pegmatite (Langesundsfjord, Norway).

Association: Swedenborgite, richterite, manganophyllite (Långban, Sweden); natrolite, diaspore, chamosite (Langesundsfjord, Norway).

Distribution: From Långban, Värmland, Sweden. In the Saga larvikite quarry, Tvedalen, near Larvik, Norway. From the Izumrudnye district, Yekaterinburg (Sverdlovsk), Ural Mountains, the Pitkäranta district, Lake Ladoga, Karelia, and other less-well-defined localities in Russia.

Name: For Magnus von Bromell (1679–1731), Swedish physician and mineralogist.

Type Material: Swedish Museum of Natural History, Stockholm, Sweden.

References: (1) Palache, C., H. Berman, and C. Frondel (1944) Dana's system of mineralogy, (7th edition), v. I, 506–507. (2) Hazen, R.M. and L.W. Finger (1986) High-pressure and high-temperature crystal chemistry of beryllium oxide. *J. Appl. Phys.*, 59, 3728–3733. (3) Larsen, A.O., A. Åsheim, and S.A. Berge (1987) Bromellite from syenite pegmatite, southern Oslo region, Norway. *Can. Mineral.*, 25, 425–428. (4) (1953) *NBS Circ.* 539, 1, 36.