Crystal Data: Monoclinic. Point Group: 2/m. As thick tabular, trapezoidal crystals, to 4 mm,

displaying $\{100\}$, $\{010\}$, $\{001\}$, $\{\overline{1}\ 11\}$ and $\{20\overline{1}\}$; as aggregates to several cm.

Physical Properties: *Cleavage*: Perfect on $\{010\}$. *Fracture*: Uneven to subconchoidal. *Tenacity*: Brittle. Hardness = 3.5 D(meas.) = 2.35(1) D(calc.) = 2.350

Optical Properties: Transparent to translucent. *Color*: Colorless to white, pale yellowish white or beige. *Streak*: White. *Luster*: Vitreous, pearly on {010} cleavage surfaces. *Optical Class*: Biaxial (+). $\alpha = 1.5056(5)$ $\beta = 1.5064(5)$ $\gamma = 1.5150(5)$ $2V(\text{meas.}) = 38(1)^{\circ}$ $2V(\text{calc.}) = 34.1^{\circ}$ *Pleochroism*: None. *Dispersion*: Distinct, r > v. Orientation: $X^{\wedge}c$ varies between 39 and 51° ; Z = b.

Cell Data: Space Group: C2/m. a = 17.738(3) b = 17.856(2) c = 7.419(1) $\beta = 116.55(2)^{\circ}$ Z = 1

X-ray Powder Pattern: Northern Ravnås prospect, Kongsberg ore district, Norway. 2.973 (100), 3.978 (97), 7.941 (66), 4.650 (66), 2.807 (65), 5.116 (59), 3.181 (56)

Chemistry:		(1)
	SiO ₂	54.26
	Al_2O_3	15.27
	MgO	< 0.1
	CaO	2.65
	SrO	1.03
	BaO	12.76
	Na_2O	0.34
	K_2O	0.58
	H ₂ O	13.1
	Total	99.99

(1) Northern Ravnås prospect, Kongsberg ore district, Norway; average of 14 electron microprobe analyses, H₂O by thermogravimetric analysis and confirmed by IR spectroscopy, corresponding to $(Ba_{2.49}Ca_{1.41}Sr_{0.30}K_{0.37}Na_{0.33})_{\Sigma=4.90}Al_{8.96}Si_{27.00}O_{72.00} \cdot 21.75H_2O$.

Occurrence: A late stage mineral in hydrothermal quartz-calcite veins.

Association: Acanthite, barite, chalcopyrite, fluorite, galena, sphalerite, silver, brewsterite, other heulandite-series zeolites, calcite, harmotome.

Distribution: From the Northern Ravnås prospect, southern Vinoren, Kongsberg ore district, Flesberg community, Buskerud county, and from the Bratteskjerpet mine, Saggrenda, and at Sjoa in Sel community, Oppland county, Norway.

Name: For its chemical composition and relationship to other heulandite minerals.

Type Material: Geological Museum, University of Oslo, Norway (33929).

References: (1) Larsen, A.O., F.S. Nordrum, N. Döbelin, T. Armbruster, O.V. Petersen, and M. Erambert. (2005) Heulandite-Ba, a new zeolite species from Norway. Eur. J. Mineral., 17, 143-153. (2) (2005) Amer. Mineral., 90, 1945-1946 (abs. ref. 1).