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Crystal Data: Orthorhombic, pseudotetragonal. Point Group: 222, $\overline{4}2m$ pseudotetragonal. Prismatic crystals exhibit pseudotetragonal pyramid or sphenoid forms, to 10 cm; also massive. Twinning: On $\{110\}$ and about [001].

Physical Properties: Cleavage: $\{110\}$, perfect. Hardness = 4–4.5 D(meas.) = 2.73-2.78 D(calc.) = 2.75-2.80 Pyroelectric and piezoelectric.

Optical Properties: Transparent to translucent. *Color:* White, grayish, pink; colorless in thin section. *Luster:* Vitreous.

Optical Class: Biaxial (–). Orientation: X=c; Y=b; Z=a. Dispersion: r< v, strong. $\alpha=1.535-1.541$ $\beta=1.542-1.553$ $\gamma=1.545-1.557$ $2V(meas.)=54^\circ-62^\circ$

Cell Data: Space Group: $P2_12_12$; $P\overline{4}2_1m$ pseudotetragonal. a=9.550(10) b=9.665(10) c=6.523(5) Z=2

X-ray Powder Pattern: Kilpatrick, Scotland. (ICDD 25-61). 3.576 (100), 6.51 (80), 2.741 (75), 5.38 (60), 4.79 (50), 4.69 (50), 2.589 (45)

Chemistry:

| | (1) | (2) |
|------------------|-------|-------|
| SiO_2 | 35.14 | 36.3 |
| Al_2O_3 | 20.12 | 20.6 |
| BaO | 31.18 | 28.6 |
| K_2O | | 0.32 |
| $\mathrm{H_2O}$ | 13.16 | 12.8 |
| Total | 99.60 | 98.62 |

(1) Bölet mine, Sweden; corresponds to $\rm Ba_{1.03}Al_{2.01}Si_{2.98}O_{10.00} \bullet 3.72H_2O.$ (2) Ice River, Canada; by electron microprobe, $\rm H_2O$ by TGA; corresponds to $\rm (Ba_{0.96}K_{0.04})_{\Sigma=1.00}$ $\rm Al_{2.08}Si_{3.12}O_{10.00} \bullet 4.00H_2O.$

Mineral Group: Zeolite group.

Occurrence: In cavities in mafic igneous rocks and nepheline syenites; in carbonatites; in hydrothermal veins.

Association: Thomsonite, analcime, natrolite, harmotome, brewsterite, prehnite, calcite.

Distribution: At several quarries in the Kilpatrick Hills, Dumbartonshire, Scotland. From Disgwylfa Hill, Shropshire, England. Large crystals from the Bölet mine, Västergötland, Sweden. At Staré Ransko, Czech Republic. In the Podol'skoye and other deposits, Southern Ural Mountains, and in the Khibiny massif, Kola Peninsula, Russia. Along Ash Creek, in Mendocino Co. near the Sonoma Co. line, California, USA. In the Brunswick No. 12 mine, near Bathurst, New Brunswick; along the Ice River valley, 25 km south of Field, British Columbia; and at Mont Saint-Hilaire, Quebec, Canada. In the Jacupiranga mine, São Paulo, Brazil.

Name: For James Edington (1787–1844), mineral collector of Glasgow, Scotland, the discoverer of the mineral.

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