

Crystal Data: Orthorhombic. *Point Group:* 2/m 2/m 2/m. As tabular crystals to 1 cm; lamellar aggregates to 2 cm.

Physical Properties: *Cleavage:* Distinct on {010}. *Tenacity:* Brittle. *Fracture:* n.d.
Hardness = 5 D(meas.) = 3.43-3.49 D(calc.) = 3.643 Metamict.

Optical Properties: Translucent. *Color:* Colorless to white, brown. *Streak:* Light brown.
Luster: Vitreous to greasy.
Optical Class: Biaxial (-). $\alpha = 1.619-1.621$ $\beta = 1.63-1.64$ $\gamma = 1.642-1.655$ $2V(\text{meas.}) = <30^\circ$
 $2V(\text{calc.}) = 82^\circ-90^\circ$ *Dispersion:* Strong, $r < v$.

Cell Data: *Space Group:* Pcca. $a = 14.3891(2)$ $b = 5.17986(2)$ $c = 19.7554(2)$ $Z = 4$

X-ray Powder Pattern: n.d.

Chemistry:	(1)
Na ₂ O	11.9
CaO	1.4
SrO	9.7
BaO	1.0
MgO	0.10
MnO	0.09
FeO	0.2
ZnO	9.6
La ₂ O ₃	8.3
Ce ₂ O ₃	10.4
Pr ₂ O ₃	0.7
Nd ₂ O ₃	1.3
SiO ₂	45.2
Total	99.89

(1) Illutalik, South Greenland; average electron microprobe analysis supplemented by LA-ICPMS; corresponding to Na_{3.06}(Sr_{0.75}Ca_{0.20}Ba_{0.05}) $\Sigma=1.00$ (Ce_{0.50}La_{0.41}Nd_{0.06}Pr_{0.03}) $\Sigma=1.00$ (Zn_{0.94}Fe_{0.02}Mg_{0.02}Mn_{0.01}) $\Sigma=0.99$ Si_{5.97}O₁₇.

Mineral Group: Nordite supergroup, nordite group (Sr dominant in the X site).

Occurrence: In the ussingite core of hyperagpaitic pegmatite.

Association: Aegirine, epistolite, steenstrupine-(Ce), serandite, belovite-(Ce), sphalerite.

Distribution: At Mount Sengischorr, Lovozero alkaline massif, Kola Peninsula, Russia. From Igdlutalik [now spelled Illutalik], Gardar Province, South Greenland; at Mont Saint-Hilaire, Québec, Canada; and in the Dara-i-Pioz massif, Tajikistan.

Name: A member of the *nordite* group with Zn dominant in the Z structural site and with a suffix for the dominant rare earth element.

Type Material: A.E. Fersman Mineralogical Museum, Moscow, Russia (59393).

References: (1) Semenov, E.I. (1961) New data on nordite. *Trudy, Mineralogicheskij Muzeya Akademiyi Nauk SSSR*, 11, 199-201. (2) Bo, F.D., E.H. Gulbransen, and H. Friis (2021) New data on nordite-(Ce) and the establishment of the nordite supergroup. *Mineral. Mag.*, 85(3), 431-437.