

Crystal Data: Orthorhombic. *Point Group:* *mm*2. In lathlike clusters of ~100 μm-sized anhedral grains.

Physical Properties: Hardness = n.d. D(meas.) = n.d. D(calc.) = 2.73

Optical Properties: Transparent. *Color:* Colorless.

Optical Class: Biaxial. $\alpha = 1.56(2)$ $\beta = \text{n.d.}$ $\gamma = 1.57(2)$ 2V(meas.) = n.d.

Cell Data: *Space Group:* *Pbc*2₁. $a = 8.260(1)$ $b = 17.086(1)$ $c = 9.654(1)$ $Z = 4$

X-ray Powder Pattern: Liset eclogite pod, Norway.

3.19 (100), 4.14 (44), 3.48 (36), 3.54 (31), 2.94 (31), 3.09 (21), 3.00 (15b)

Chemistry:

	(1)
SiO ₂	43.09
TiO ₂	0.02
Al ₂ O ₃	36.33
Cr ₂ O ₃	0.00
FeO	0.12
MnO	0.01
NiO	0.03
MgO	0.01
CaO	9.80
Na ₂ O	10.84
K ₂ O	0.01
Total	100.26

(1) Liset eclogite pod, Norway; by electron microprobe, average of 15 analyses; corresponds to (Ca_{0.98}Fe_{0.01})_{Σ=0.99}Na_{1.96}Al_{3.99}Si_{4.02}O₁₆.

Occurrence: Formed by retrograde metamorphism of a Na, Al-rich and K, Mg-poor eclogite pod in the highest pressure part of the greenschist, amphibolite, or granulite facies.

Association: Taramite, jadeite, hematite, ilmenite, högbomite, albite, quartz.

Distribution: In the Liset eclogite pod, Selje district, southwestern Norway.

Name: For the Liset eclogite pod, Norway.

Type Material: Natural History Museum, Paris, France, G201b7; University of Pavia, Pavia, Italy, G201b.

References: (1) Smith, D.C., S.-A. Kechid, and G. Rossi (1986) Occurrence and properties of lisetite, CaNa₂Al₄Si₄O₁₆, a new tectosilicate in the system Ca–Na–Al–Si–O. *Amer. Mineral.*, 71, 1372–1377. (2) Rossi, G., R. Oberti, and D.C. Smith (1986) Crystal structure of lisetite, CaNa₂Al₄Si₄O₁₆. *Amer. Mineral.*, 71, 1378–1383.