Crystal Data: Orthorhombic. *Point Group*: 2/m 2/m. Always intergrown with ussingite, as single euhedral crystals to 150 μ m or in radiating aggregates to 200 μ m. In high concentrations creating clusters or bands consisting almost completely of illoqite-(Ce).

Physical Properties: *Cleavage*: n.d. *Tenacity*: n.d. *Fracture*: n.d. Hardness = n.d. D(meas.) = n.d. D(calc.) = 3.65(3)

Optical Properties: Translucent. *Color*: Pink in daylight, brownish yellow under fluorescent and some halogen lights. *Streak*: White with a faint yellow tint. *Luster*: Dull. *Optical Class*: n.d. n(calc.) = 1.626-1.651

Cell Data: Space Group: Pcca. a = 14.5340(7) b = 5.2213(1) c = 19.8270(4) Z = 4

X-Ray Diffraction Pattern: Taseq slope, Ilímaussaq alkaline complex, Southern Greenland. 2.882 (100), 7.266 (79), 3.486 (79), 2.986 (67), 4.241 (64), 3.340 (52), 4.688 (44)

Chemistry:		(1)	(2)
-	SiO ₂	43.04	42.30
	La_2O_3	6.00	
	Ce_2O_3	13.49	19.26
	Pr ₂ O ₃	0.87	
	Nd_2O_3	1.84	
	BaO	10.80	17.99
	SrO	3.94	
	CaO	0.25	
	ZnO	4.08	9.55
	MnO	0.78	
	FeO	2.97	
	Na ₂ O	11.28	10.91
	<u>Li₂O</u>	0.25	<u> </u>
	Total	99.59	100.00

(1) Taseq slope, Ilímaussaq alkaline complex, Southern Greenland; average electron microprobe analysis, Li by LA-ICP-MS; corresponds to $Na_{2.00}Na_{1.00}(Ba_{0.59}Sr_{0.32}Ca_{0.04}Na_{0.03})_{\Sigma=0.98}(Ce_{0.68}La_{0.31}Nd_{0.09}Pr_{0.04})_{\Sigma=1.12}(Zn_{0.42}Fe_{0.34}Li_{0.14}Mn_{0.09})_{\Sigma=0.99}Si_{5.97}O_{17}$. (2) $Na_2NaBaCeZnSi_6O_{17}$.

Mineral Group: Nordite supergroup.

Occurrence: In boulders near a large ussingite vein formed by primary magmatic processes in alkaline igneous rocks.

Association: Ussingite, chkalovite, aegirine, arfvedsonite, britholite-(Ce), ancylite-(Ce), epistolite, lueshite, steenstrupine-(Ce), polylithionite.

Distribution: From the Taseq slope, Ilímaussaq alkaline complex, Southern Greenland.

Name: After the Greenlandic word *illoq* for "cousin", in allusion to the relation between illoqite-(Ce) and the nordite supergroup. The suffix, Ce, indicates the dominant REE.

Type Material: Natural History Museum, University of Oslo, Oslo, Norway (KNR 44274 and KNR 44275).

References: (1) Gulbransen, E.H., H. Friis, F. Dal Bo, and M. Erambert (2022) Illoqite-(Ce), Na₂NaBaCeZnSi₆O₁₇, a new member of the nordite supergroup from Ilímaussaq alkaline complex, South Greenland. Mineral. Mag., 86, 141-149.