Crystal Data: Hexagonal. *Point Group*: $\bar{3}$. As prismatic crystals to ~300 μm.

Physical Properties: *Cleavage*: None. *Tenacity*: Brittle. *Fracture*: Uneven. Hardness = 2-3
D(meas.) = n.d. D(calc.) = 2.892

Optical Properties: Transparent. *Color*: Colorless to white. *Streak*: White. *Luster*: Vitreous.
Optical Class: Uniaxial (-). ω = 1.546(2) ε = 1.535(2)

Cell Data: *Space Group: R*$\bar{3}$. *a* = 8.1124(11) *c* = 22.704(7) Z = 3

X-Ray Diffraction Pattern: Yadovitaya fumarole, Tolbachik volcano, Kamchatka, Russia.
2.763 (100), 3.585 (55), 1.789 (30), 2.340 (22), 2.158 (12), 5.936 (10), 1.991 (9)

Chemistry:

	(1)	(2)
Na_2O	4.27	4.18
K_2O	5.85	6.36
ZnO	0.31	
CaO	0.31	
CuO	0.76	
MgO	10.15	10.88
Al_2O_3	11.47	13.76
Fe_2O_3	2.73	
SO_3	64.33	64.83
SiO_2	0.13	.
Total	100.31	100.00

(1) Yadovitaya fumarole, Tolbachik volcano, Kamchatka, Russia; average electron microprobe and Raman spectroscopic analyses; corresponding to $Na_{1.03}K_{0.93}(Mg_{1.89}Cu_{0.07}Ca_{0.04}Zn_{0.03})_{\Sigma=2.03}(Al_{1.68}Fe^{3+}_{0.26})_{\Sigma=1.94}(S_{6.02}Si_{0.02})_{\Sigma=6.04}O_{24}$. (2) $NaKMg_2Al_2(SO_4)_6$.

Occurrence: A sublimate at an active volcanic fumarole.

Association: Euchlorine, langbeinite.

Distribution: From the Yadovitaya ('Poisonous') fumarole, Second scoria cone of the Northern Breakthrough of the Great Tolbachik Fissure Eruption, Tolbachik volcano, Kamchatka peninsula, Far-Eastern Region, Russia.

Name: For the *Koryak*, the original inhabitants living on the Kamchatka peninsula.

Type Material: Mineralogical Museum, Department of Mineralogy, St. Petersburg State University, St. Petersburg, Russia (1/19688).

References: (1) Siidra, O.I., E.V. Nazarchuk, A.N. Zaitsev, and N.S. Vlasenko (2020) Koryakite, $NaKMg_2Al_2(SO_4)_6$, a new NASICON-related anhydrous sulfate mineral from Tolbachik volcano, Kamchatka, Russia. Mineral. Mag., 84, 283-287.