Crystal Data: Triclinic. *Point Group*: $\bar{1}$. Forms rosettes to 5 cm composed of extremely fine (0.01-0.1 mm) flakes and lamellae.

Physical Properties: *Cleavage*: Perfect on {001}. *Fracture*: Splintery. *Tenacity*: Flexible. *Hardness* = 3 D(meas.) = n.d. D(calc.) = 2.930

Optical Properties: Transparent. *Color*: Colorless to pale tan. *Streak*: White. *Luster*: Vitreous. *Optical Class*: Biaxial (+). α = 1.695(2) β = 1.703(2) γ = 1.733(2) 2V(meas.) = 64.8(7)° 2V(calc.) = 55.4° *Orientation*: $X \wedge a$ = 87.4°, $X \wedge b$ = 85.2°, $X \wedge c$ = 13.4°, $Y \wedge a$ = 92.1°, $Y \wedge b$ = 5.1°, $Y \wedge c$ = 102.8°, $Z \wedge a$ = 176.7°, $Z \wedge b$ = 91.9°, $Z \wedge c$ = 86.0°.

Cell Data: *Space Group*: $P\bar{1}$. a = 5.4260(9) b = 7.135(1) c = 25.514(4) α = 90.172(4)° β = 90.916(4)° γ = 89.964(3)° Z = 2

X-ray Powder Pattern: Kirovskii mine, Mt. Kukisvumchorr, Kola Peninsula, Russia. 2.813 (100), 2.149 (82), 3.938 (70), 4.288 (44), 2.128 (44), 3.127 (39), 3.690 (36)

Chemistry:

	(1)		(1)
Nb_2O_5	9.70	CaO	0.89
TiO_2	19.41	K_2O	1.12
SiO_2	28.21	Na_2O	9.15
Al_2O_3	0.13	H_2O	[9.87]
FeO	0.28	F	1.29
MnO	4.65	$-O=F_2$	0.54
BaO	12.50	Total	100.07
SrO	3.41		

(1) Kirovskii mine, Mt. Kukisvumchorr, Kola Peninsula, Russia; electron microprobe analysis, H_2O confirmed by Raman spectroscopy and calculated from structure; corresponding to $(Na_{2.55}Mn_{0.31}Ca_{0.11}Fe^{2+}_{0.03})_{\Sigma=3.00}(Ba_{0.70}Sr_{0.28}K_{0.21}Ca_{0.03})_{\Sigma=1.22}(Ti_{2.09}Nb_{0.63}Mn_{0.26}Al_{0.02})_{\Sigma=3.00}Si_{4.05}O_{21.42}H_{9.45}F_{0.59}$.

Occurrence: In the natrolite zone of a hydrothermally-altered, pegmatite vein cutting nepheline syenite near the contact with ijolite-urtites.

Association: Natrolite, barytolamprophyllite, nechelyustovite, hydroxylapatite, belovite-(La), belovite-(Ce), gaidonnayite, nenadkevichite, epididymite, apophyllite-(KF), sphalerite.

Distribution: From the level +252 of the Kirovskii mine, Mt. Kukisvumchorr, Khibiny alkaline massif, Kola Peninsula, Russia.

Name: Honors Vadim Ivanovich Kazansky (b.1926), a Russian ore geologist and expert in Precambrian metallogeny of the Kola region.

Type Material: A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (#4103/1).

References: (1) Cámara, F., E. Sokolova, and F.C. Hawthorne (2012) Kazanskyite, $Ba\square TiNbNa_3Ti(Si_2O_7)_2O_2(OH)_2(H_2O)_4$, a Group-III Ti-disilicate mineral from the Khibiny alkaline massif, Kola Peninsula, Russia: description and crystal structure. Mineral. Mag., 76(3), 473-492. (2) (2015) Amer. Mineral., 100, 1327-1328 (abs. ref. 1).