Crystal Data: Triclinic. *Point Group*: $\bar{1}$. As lamellae to 1×0.5 cm, closely intergrown with charoite, tokkoite, diopside, and graphite.

Physical Properties: *Cleavage*: Perfect parallel to elongation and imperfect at 96° to elongation. *Tenacity*: Brittle. *Fracture*: Stepped. Hardness = 6 D(meas.) = 2.70(2) D(calc.) = 2.793 Nonfluorescent.

Optical Properties: Transparent. *Color*: Colorless (lamellae), white to brownish white (aggregates). *Streak*: White. *Luster*: Vitreous to silky.
Optical Class: Biaxial (-). α = 1.568(2) β = 1.580(2) γ = 1.582(2) 2V(meas.) = 40(10)° 2V(calc.) = 44.1° *Orientation*: $Y \approx$ elongation. Non-pleochroic. *Dispersion*: Weak, $r < v$.

Cell Data: *Space Group*: $P\bar{1}$. a = 7.2743(1) b = 10.5516(2) c = 13.9851(3) α = 104.203(2)° β = 104.302(2)° γ = 92.028(1)° Z = 2

X-ray Powder Pattern: Patyn massif, Kemerovo Oblast', Southern Siberia, Russia.
3.454 (100), 3.262 (66), 3.103 (64), 1.820 (28), 2.801 (21), 2.592 (18), 2.931 (16)

Chemistry:

	(1)	(2)
Na_2O	3.68	3.68
K_2O	5.62	5.59
CaO	26.82	26.60
SiO_2	64.27	64.13
Total	100.39	100.00

(1) Patyn massif, Kemerovo Oblast', Southern Siberia, Russia; average electron microprobe and Raman and IR spectroscopic analyses; corresponds to $Na_{1.00}K_{1.00}Ca_{4.02}Si_{8.99}O_{23}$.
(2) $NaKCa_4[Si_9O_{23}]$.

Occurrence: In alluvium derived from diopside-wollastonite skarn formed at the contact of pyroxenite with marmorized limestone.

Association: Charoite, tokkoite, diopside, graphite, monticellite, wollastonite, pectolite, calcite, orthoclase.

Distribution: From the Patyn massif, Tashtagolskiy District, Kemerovo Oblast', Southern Siberia, Russia.

Name: For the *Patyn* massif, Russia, where the studied material was collected.

Type Material: A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (5369/1).

References: (1) Kasatkin, A.V., F. Cámara, N.V. Chukanov, R. Škoda, F. Nestola, A.A. Agakhanov, D.I. Belakovskiy, and V.S. Lednyov (2019) Patynite, $NaKCa_4[Si_9O_{23}]$, a new mineral from the Patynskiy Massif, Southern Siberia, Russia. Minerals, 9, 611, 1-19.