

Crystal Data: Triclinic. *Point Group:* $\bar{1}$. As fibers to 22 mm. Soluble in water.

Physical Properties: *Cleavage:* None. *Fracture:* Irregular. *Tenacity:* Brittle, flexible and elastic. Hardness = 2 D(meas.) = n.d. D(calc.) = 2.953

Optical Properties: Transparent. *Color:* Pale yellowish green. *Streak:* White. *Luster:* Vitreous. *Optical Class:* Biaxial (+). $\alpha = 1.500$ $\beta = 1.511$ $\gamma = 1.523$ *Orientation:* $X \approx a$.

Cell Data: *Space Group:* $P\bar{1}$. $a = 5.4581(3)$ $b = 11.3288(6)$ $c = 18.4163(13)$
 $\alpha = 104.786(7)^\circ$ $\beta = 90.092(6)^\circ$ $\gamma = 96.767(7)^\circ$ $Z = 2$

X-ray Powder Pattern: Blue Lizard Mine, Utah, USA.
 5.19 (100), 3.057 (59), 4.66 (58), 3.568 (37), 8.96 (35), 8.46 (29), 1.8320 (29)

Chemistry:	(1)
Na ₂ O	21.67
UO ₃	30.48
SO ₃	40.86
<u>H₂O</u>	<u>[6.45]</u>
Total	99.4

(1) Blue Lizard Mine, Utah, USA; average of 9 electron microprobe analyses, H₂O calculated from structural analysis; corresponding to Na_{6.83}(U_{1.04}O₂)(SO₄)₄(S_{0.99}O₃OH)(H₂O)₃.

Occurrence: A secondary efflorescence on sandstone in the oxidation zone of a Colorado Plateau type uraninite deposit.

Association: Blödite, ferrinatrite, kröhnkite, meisserite, metavoltine.

Distribution: From the Blue Lizard Mine, Red Canyon, White Canyon district, San Juan Co., Utah, USA.

Name: Honors Dmitry Ilych Belakovskiy (b. 1957), a prominent Russian mineralogist and Curator of the A.E. Fersman Mineralogical Museum, Moscow, Russia.

Type Material: Natural History Museum of Los Angeles County, California, USA (# 64055) and the A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (4410/1).

References: (1) Kampf, A.R., J. Plášil, A.V. Kasatkin, and J. Marty (2014) Belakovskiite, Na₇(UO₂)(SO₄)₄(SO₃OH)(H₂O)₃, a new uranyl sulphate mineral from the Blue Lizard mine, San Juan County, Utah, USA. *Mineral. Mag.*, 78(3), 639-649. (2) (2015) *Amer. Mineral.*, 100, 658 (abs. ref. 1).