

Crystal Data: Monoclinic. *Point Group:* m . As rough, corrugated lamellar crystals to 1 mm, with {010} dominant, and as stellate radial aggregates to 2 mm.

Physical Properties: *Cleavage:* Perfect {010}. *Fracture:* Uneven. *Tenacity:* Sectile. Hardness = 1 D(meas.) = n.d. D(calc.) = 4.46

Optical Properties: Transparent to translucent. *Color:* Canary-yellow. *Streak:* Yellow. *Luster:* Vitreous; pearly on cleavage surfaces. Green fluorescence in UV. *Optical Class:* Biaxial (-). $\alpha = 1.597(2)$ $\beta = 1.770(5)$ $\gamma = 1.775(5)$ $2V(\text{meas.}) = 20^\circ$ *Dispersion:* Strong; $r < v$. *Orientation:* $X = b$; Z parallel to the elongation. *Pleochroism:* $Y = Z = \text{yellow}$; $X = \text{light greenish yellow}$. *Absorption:* $Y = Z > X$.

Cell Data: *Space Group:* $P11m$. $a = 6.9806(9)$ $b = 7.646(1)$ $c = 17.249(2)$ $\beta = 90.039(4)^\circ$ $Z = 2$

X-ray Powder Pattern: Repete mine, San Juan County, Utah, USA. 7.67 (100), 3.107 (77), 2.874 (53), 8.63 (43), 3.85 (40), 7.02 (33), 3.176 (33)

Chemistry:	(1)	(2)
Na_2O	2.04	2.56
K_2O	0.69	
CaO	0.23	
UO_3	72.19	70.91
SeO_2	18.12	18.34
H_2O	7.64	8.19
Total	100.91	100.00

(1) Repete mine, San Juan County, Utah, USA; average of 3 electron microprobe analyses, H_2O by Penfield method; corresponding to $\text{Na}_{0.81}\text{K}_{0.18}\text{Ca}_{0.05}(\text{H}_3\text{O})_{0.73}(\text{UO}_2)_{3.09}(\text{SeO}_3)_2\text{O}_2 \cdot 4.1\text{H}_2\text{O}$.
 (2) $\text{Na}(\text{H}_3\text{O})(\text{UO}_2)_3(\text{SeO}_3)_2\text{O}_2 \cdot 4\text{H}_2\text{O}$.

Occurrence: A secondary mineral in an oxidized 'roll-front' U deposit in sandstone.

Association: Montmorillonite, quartz, haynesite, wölsendorfite, andersonite, uranophane, gypsum, calcite.

Distribution: Repete mine, near Blanding, San Juan County, Utah, USA.

Name: Honors Russian mineralogist Larisa Nikolaevna Belova (1923-1998) for her studies of U minerals.

Type Material: Geoscientific Collections, Freiberg University of Mining and Technology, Freiberg, Germany; 80251.

References: (1) Chukanov, N.V., D.Yu. Pushcharovsky, M. Pasero, S. Merlino, A.V. Barinova, S. Möckel, I.V. Pekov, A.E. Zadov, and V.T. Dubinchuk (2004) Larisaite, $\text{Na}(\text{H}_3\text{O})(\text{UO}_2)_3(\text{SeO}_3)_2\text{O}_2 \cdot 4\text{H}_2\text{O}$, a new uranyl selenite mineral from Repete mine, San Juan County, Utah, U.S.A. *Eur. J. Mineral.*, 16, 367-374. (2) (2005) *Amer. Mineral.*, 90, 519-520 (abs. ref. 1).