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БЕРЕЗАНСКИТ $KLi_3Ti_2Si_{12}O_{30}$ – НОВЫЙ МИНЕРАЛ¹L. A. PAUTOV, A. A. AGAKHANOV. BEREZANSKITE $KLi_3Ti_2Si_{12}O_{30}$ –
A NEW MINERAL*Ильменский заповедник, 456301, Миасс*

The mineral has been found on moraine of Dara-i-Pioz glacier (Garm region, the Pamirs) in a pegmatite block. It associates there with quartz, aegirine, microcline, Cs-kupletskite, hyalotekite, polyolithionite, tadhikite-(Y), dusmatovite, zektzerite, stillwellite-(Ce). The mineral forms granular aggregates with individuals 0.05–0.6 mm in size. Its colour and streak are white; cleavage – perfect by {0001}. Hexagonal system, space group $P6/mcc$ (?). Unit cell parameters: $a = 9.903$ (1), $c = 14.276$ (2) Å, $z = 2$.

¹ Рассмотрено и рекомендовано к опубликованию Комиссией по новым минералам и названиям минералов Минералогического общества 24 мая 1996 г. Утверждено Комиссией по новым минералам и названиям минералов Международной минералогической ассоциации 30 октября 1996 г.

Uniaxial (-) $\omega = 1.635$ (2), $\varepsilon = 1.630$ (2), *Ne* - perpendicular to the cleavage. Electron microprobe analysis gave (wt. %): SiO_2 72.64, Al_2O_3 0.09, TiO_2 15.86, Nb_2O_5 0.56, FeO 0.16, BaO 0.11, K_2O 4.70, Na_2O 0.18; Li_2O 4.50 (by atomic absorption); total 99.79. The IR spectrum has absorption bands at 465, 540, 620, 670, 790, 980, 1130 cm^{-1} . The mineral is named in the honour of Anatolyi Vladimirovich Berezansky, geologist. Type material is in the Mining museum of the St. Petersburg Mining Institute and in the Ilmen Natural Reserve museum (Miass, Russia).