Crystal Data: Triclinic. *Point Group*: $\bar{1}$. As irregular grains, some with square or rectangular cross sections to 150 μm; in aggregates to 0.5 mm.

Physical Properties: *Cleavage*: None. *Fracture*: Uneven. *Tenacity*: Brittle. Hardness = 5-5.5 VHN = 620 (50 g load). D(meas.) = 3.96(2) D(calc.) = 3.968

Optical Properties: Transparent. *Color*: Colorless to white. *Streak*: White. *Luster*: Vitreous. *Optical Class*: Biaxial (+). α = 1.659(3) β(calc.) = 1.671(2) γ = 1.676(3) 2V(meas.) = 64(3)° 2V(calc.) = n.d. *Dispersion*: Medium, $r < \nu$.

Cell Data: *Space Group*: $I\bar{1}$. a = 11.354(2) b = 10.960(2) c = 10.271(2) α = 90.32(3)° β = 90.00(3)° γ = 90.00(3)° Z = 2

X-ray Powder Pattern: Darai-Pioz massif, upper reaches of the Darai-Pioz River, Tajikistan. 7.86 (100), 7.65 (90), 7.55 (90), 3.81 (90), 3.55 (90), 2.934 (90), 5.15 (80)

Chemistry:

	(1)
SiO_2	36.98
B_2O_3	6.01
Y_2O_3	0.26
PbO	40.08
BaO	6.18
SrO	0.43
CaO	6.77
K_2O	1.72
Na_2O	0.41
F	0.88
$- O = F_2$	0.37
Total	99.35

(1) Darai-Pioz massif, upper reaches of the Darai-Pioz River, Tajikistan; average of 10 electron microprobe analyses, supplemented by Raman spectroscopy; corresponding to $(Pb^{2+}_{2.76}Ba_{0.62}K_{0.56}Na_{0.16})_{\Sigma=4.10}(Ca_{1.86}Sr_{0.06}Y_{0.04}Na_{0.04})_{\Sigma=2}[Si_8B_2(Si_{1.46}B_{0.65})_{\Sigma=2.11}O_{28}](F_{0.71}O_{0.29})$.

Mineral Group: Hyalotekite group.

Occurrence: In the moraine of the Darai-Pioz glacier which erodes a multiphase, boron-enriched, alkaline intrusive complex.

Association: Pectolite, quartz, Sr-rich fluorite, aegirine, polylithionite, turkestanite, baratovite, calcite, pyrochlore-group minerals, reedmergnerite, stillwellite-(Ce), pekovite, zeravshanite, senkevichite, sokolovaite, mendeleevite-(Ce), alamosite, orlovite, leucosphenite.

Distribution: From the Darai-Pioz alkaline massif in the upper reaches of the Darai-Pioz river, Alaisky mountain ridge, Tien-Shan Mountains, Tajikistan.

Name: Honors Pavel Vitalyevich Khvorov (b. 1965), a Russian mineralogist for his contributions to the mineralogy of the Darai-Pioz massif.

Type Material: A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (4573/1).

References: (1) Pautov, L.A., A.A. Agakhanov, E.V. Sokolova, F.C. Hawthorne, V.Yu. Karpenko, O.I. Siidra, V.K. Garanin and Y.A. Abdu (2015) Khvorovite, $Pb_4^{2+}Ca_2[Si_8B_2(SiB)O_{28}]F$, a new hyalotekite-group mineral from the Darai-Pioz alkaline massif, Tajikistan: Description and crystal structure. Mineral. Mag., 79(4), 949-963. (2) (2016) Amer. Mineral., 101, 2126 (abs. ref. 1).