

Crystal Data: Monoclinic (?) [by analogy to jamesonite]. *Point Group:* n.d. As radiating aggregates of fine capillary crystals, to 1 cm.

Physical Properties: *Cleavage:* Perfect in one direction. *Hardness =* Low. *VHN =* n.d. *D(meas.) =* n.d. *D(calc.) =* n.d.

Optical Properties: Opaque. *Color:* Lead-gray; in polished section, pure white. *Luster:* Metallic. *Pleochroism:* Birefringent. *Anisotropism:* Strong; reddish internal reflections seen only in oil.

*R*₁–*R*₂: n.d.

Cell Data: *Space Group:* n.d. *Z =* n.d.

X-ray Powder Pattern: Ustarasai deposit, Uzbekistan.
3.412 (100), 2.721 (60), 2.031 (60b), 3.093 (40), 2.811 (40), 2.299 (40), 2.244 (40)

Chemistry:	(1)
Pb	32.25
Fe	1.39
Cu	0.30
Bi	30.50
Sb	16.50
S	17.62
insol.	1.59
Total	100.15

(1) Ustarasai deposit, Uzbekistan; by analogy to jamesonite, corresponds to Pb_{3.97}Fe_{0.63}Cu_{0.12}(Bi_{3.72}Sb_{3.45})_{Σ=7.17}S_{14.00}.

Occurrence: In carbonate veinlets cutting arsenopyrite ore (Ustarasai deposit, Uzbekistan); as inclusions in and myrmeketic intergrowths with tetrahedrite (Rudňay, Slovakia).

Association: Antimony, realgar, cinnabar (Ustarasai deposit, Uzbekistan); tetrahedrite (Rudňay, Slovakia).

Distribution: From the Ustarasai bismuth deposit, near Brichmulla village, Pskem Range, southern Tien Shan, northeastern Uzbekistan [TL]. Found at Rudňay, Spišsko-Gemerské Rudohorie Mountains, Slovakia. In the Dachang district, Guangxi Autonomous Region, China.

Name: In honor of Professor Marina Sergeevna Sakharova (1917–), Soviet mineralogist specializing in gold and silver deposits, Moscow University, Moscow, Russia.

Type Material: A.E. Fersman Mineralogical Museum, Academy of Sciences, Moscow, Russia, 72022.

References: (1) Sakharova, M.S. (1955) Bismuth sulfosalts of the Ustarasaik deposits. *Trudy Mineral. Muzeya Akad. Nauk SSSR*, 7, 112–116 (in Russian). (2) (1956) *Amer. Mineral.*, 41, 814 (abs. ref. 1). (3) Kostov, I. (1959) Bismuth jamesonite or sakharovaite — a new mineral species. *Trudy Mineral. Muzeya Akad. Nauk SSSR*, 10, 148–149 (in Russian). (4) (1960) *Amer. Mineral.*, 45, 1134 (abs. ref. 3). (5) Pekov, I.V. (1998) Minerals first discovered on the territory of the former Soviet Union. *Ocean Pictures*, Moscow, 177.