Crystal Data: Cubic. *Point Group:* $4/m\ \bar{3}\ 2/m$. As the outer portions of cubic suessite crystals, skeletal, to 0.3 mm; in spheroidal aggregates.

Physical Properties: *Fracture:* Irregular. Hardness = > 9 VHN = 2290–2230 (100 g load). D(meas.) = n.d. D(calc.) = 10.01

Optical Properties: Opaque. *Color:* Dark gray. *Luster:* Metallic.
Optical Class: Isotropic.
R: (440) 46.2, (460) 46.4, (480) —, (500) 47.2, (520) 47.2, (540) 47.2, (560) 47.4, (580) 47.5, (600) 47.7, (620) 47.9, (640) 48.4, (660) 49.7, (680) 50.3, (700) 50.6

Cell Data: *Space Group:* $Fm3m$. a = 4.319(5) Z = 8

X-ray Powder Pattern: Chinorsaisk massif, Tadzhikistan.
2.163 (10), 1.299 (10), 1.535 (8), 2.504 (6), 1.247 (4), 1.079 (2)

Chemistry:

	(1)
Si	0.10
Ti	69.04
Fe	1.71
V	6.74
C	[20.05]
Total	[97.64]

(1) Chatkal Range, Russia; by electron microprobe, average of five analyses, C calculated; corresponding to $(Ti_{0.90}V_{0.08}Fe_{0.02})_{\Sigma=1.00}C_{1.04}$.

Occurrence: In amygdaloidal basaltic porphyries (Chatkal Range, Russia); in spheroidal groups in granodiorites that have undergone silica metasomatism (Chinorsaisk massif, Tadzhikistan).

Association: Suessite (Chatkal Range, Russia); magnetite, iron, carbonaceous material (Chinorsaisk massif, Tadzhikistan).

Distribution: From undefined localities [Ir-Tash stream basin] in the Arashan Mountains, Chatkal Range, and in the Chinorsaisk massif, Zeravshan Range, Tadzhikistan.

Name: Honors Ibragim Khamrabaevich Khamrabaeva (1920–), Director, Institute of Geology and Geophysics, Tashkent, Uzbekistan.

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

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