

Crystal Data: Cubic. *Point Group:* $2/m\bar{3}$. As irregular grains to 15 μm .

Physical Properties: *Cleavage:* None. *Fracture:* n.d. *Tenacity:* n.d. *Hardness =* n.d.
D(meas.) = n.d. D(calc.) = 4.8865

Optical Properties: [Opaque.] *Color:* White with a bluish tint in reflected light. *Streak:* n.d.
Luster: n.d.

Optical Class: Isotropic.

R: (400) 53.4, (420) 53.9, (440) 54.3, (460) 54.5, (470) 54.6, (480) 54.6, (500) 54.8, (520) 54.9,
(540) 55.0, (546) 55.0, (560) 55.1, (580) 55.2, (589) 55.3, (600) 55.3, (620) 55.4, (640) 55.5,
(650) 55.6, (660) 55.6, (680) 55.7, (700) 55.8

Cell Data: Space Group: $Pa\bar{3}$. $a = 5.4816(5)$ $Z = 4$

X-ray Powder Pattern: Calculated pattern.

1.6528 (100), 2.7408 (95), 3.1648 (54), 1.9380 (54), 2.4514 (42), 2.2379 (35), 1.5824 (17)

Chemistry:	(1)	(2)	(3)
Ni	42.57	38.79	48.65
Co	3.40	3.40	
Fe	2.87	5.12	
Ag		1.01	
P	42.93	39.51	51.35
S	8.33	10.82	
Total	100.10	98.65	100.00

(1) Hatrurim Basin, Southern Negev Desert, Israel; average electron microprobe analysis; corresponds to $(\text{Ni}_{0.88}\text{Co}_{0.07}\text{Fe}_{0.06})_{\Sigma=1.01}(\text{P}_{1.68}\text{S}_{0.31})_{\Sigma=1.99}$. (2) Daba-Siwaqa complex, Jordan; average electron microprobe analysis; corresponds to $(\text{Ni}_{0.82}\text{Fe}_{0.11}\text{Co}_{0.07}\text{Ag}_{0.01})_{\Sigma=1.01}(\text{P}_{1.57}\text{S}_{0.42})_{\Sigma=1.99}$. (3) NiP₂.

Occurrence: In a phosphide assemblage related to the Fe-Ni-P system in a pyrometamorphic complex (Hatrurim Formation).

Association: Murashkoite, zuktamurrite, transjordanite, halamishite.

Distribution: Along the upper stream of the Halamish Wadi, Hatrurim Basin, southern Negev Desert, Israel, and the Daba-Siwaqa complex, Um Al-Rasas Sub-District, 80 km SSE of Amman, Jordan.

Name: For the locality, the *Negev* Desert, Israel, where the mineral was found.

Type Material: Mineralogical Museum, Department of Mineralogy, St. Petersburg State University, Russia (19604).

References: (1) Britvin, S.N., M.N. Murashko, Y. Vapnik, Y.S. Polekhovskiy, S.V. Krivovichev, O.S. Vereshchagin, V.V. Shilovskikh, and M.G. Krzhizhanovskaya (2020) Negevite, the pyrite-type NiP₂, a new terrestrial phosphide. *Amer. Mineral.*, 105(3), 422-427.