

**Crystal Data:** Cubic. *Point Group:*  $\bar{4}3m$ . As isolated grains to  $\sim 80 \mu\text{m}$ .

**Physical Properties:** *Cleavage:* n.d. *Fracture:* n.d. *Tenacity:* Brittle. *Hardness = n.d.*  
D(meas.) = n.d. D(calc.) = 9.182

**Optical Properties:** Opaque. *Color:* White-yellow in reflected light. *Streak:* n.d.  
*Luster:* Metallic.

*Optical Class:* *Birefractance:* None. *Pleochroism:* None. *Anisotropism:* None.  
R: (400) 54.6, (420) 54.9, (440) 55.2, (460) 55.5, (470) 55.7, (480) 55.8, (500) 56.1, (520) 56.4,  
(540) 56.7, (546) 56.8, (560) 57.0, (580) 57.3, (589) 57.5, (600) 57.6, (620) 58.0, (640) 58.3,  
(650) 58.5, (660) 58.6, (680) 58.9, (700) 59.2

**Cell Data:** Space Group:  $F\bar{4}3m$ .  $a = 10.8215(5)$   $Z = 16$

**X-ray Powder Pattern:** Calculated pattern.

2.083 (65), 2.209 (42), 2.083 (35), 1.913 (21), 1.275 (17), 1.275 (14), 2.705 (13)

Chemistry:	(1)	(2)
Ni	23.90	26.44
Co	7.59	
Fe	1.18	
V	14.13	
Mo	44.16	64.84
P	7.97	8.72
S	0.67	
Total	99.60	100.00

(1) Agios Stefanos mine, Othrys ophiolite complex, central Greece; average of 5 electron microprobe analyses supplemented by micro-Raman spectroscopy; corresponds to  $(\text{Mo}_{1.78}\text{V}_{1.07}\text{Fe}_{0.08}\text{Co}_{0.07})_{\Sigma=3.00}(\text{Ni}_{1.57}\text{Co}_{0.43})_{\Sigma=2.00}(\text{P}_{0.98}\text{S}_{0.08})_{\Sigma=1.06}$ . (2)  $\text{Mo}_3\text{Ni}_2\text{P}_{1.25}$ .

**Occurrence:** In a heavy mineral concentrate separated from podiform chromitite hosted in strongly serpentinized dunite from a mantle tectonite composed of harzburgite and minor intercalations of plagioclase-bearing lherzolite.

**Association:** Grammatikopoulosite, nickelposphide, awaruite.

**Distribution:** From the Agios Stefanos mine,  $\sim 10$  km south of Domokos, Othrys ophiolite complex, central Greece.

**Name:** Honors Basilios Tsikouras (b. 1965), associate professor, Faculty of Science, Physical and Geological Sciences, Universiti Brunei Darussalam, for his contributions to the ore mineralogy and mineral deposits related to ophiolites.

**Type Material:** Natural History Museum, University of Florence, Italy (3296/I).

**References:** (1) Zaccarini, F., L. Bindi, E. Ifandi, T. Grammatikopoulos, C. Stanley, G. Garuti, and D. Mauro (2019) Tsikourasite,  $\text{Mo}_3\text{Ni}_2\text{P}_{1+x}$  ( $x < 0.25$ ), a new phosphide from the chromitite of the Othrys ophiolite, Greece. *Minerals*, 9(4), 248. (2) (2020) *Amer. Mineral.*, 105(10), 1600-1601 (abs. ref. 1).