

Crystal Data: Cubic. *Point Group:* n.d. A single cubic crystal, about 0.5 cm on the edge.

Physical Properties: Hardness = n.d. VHN = n.d. D(meas.) = n.d. D(calc.) = n.d.

Optical Properties: Opaque. *Color:* White with a tinge of gray. *Luster:* Bright metallic.

R: n.d.

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

X-ray Powder Pattern: n.d.

Chemistry:	(1)	(2)
Ni	67.11	70.15
Co	1.29	
Cu	0.99	
Fe	0.61	
Ag	0.02	
As	30.64	29.85
Total	100.66	100.00

(1) Radstadt, Austria. (2) Ni₃As.

Occurrence: Known only from one loose single crystal.

Association: n.d.

Distribution: From near Radstadt, Salzburg, Austria. In the Minnamax Cu–Ni sulfide deposit, Duluth Gabbro complex, near Hibbing, St. Louis Co., Minnesota, USA.

Name: Honors Professor Karl Diener (1862–1928), Austrian paleontologist, the discoverer.

Type Material: Lost.

References: (1) Palache, C., H. Berman, and C. Frondel (1944) Dana's system of mineralogy, (7th edition), v. I, 175. (2) Hackl, O. (1921) Ein neues Nickel–Arsen Mineral. Verh. Geol. Reichs-Anst. Wien, 107–108 (in German). (3) (1927) Amer. Mineral., 12, 96 (abs. ref. 2). (4) Bayliss, P. (2001) Dienerite - a mystification. Mineral. Mag., 65, 685–687.