

Crystal Data: Cubic. *Point Group:* $4/m\bar{3}2/m$. As anhedral grains, to 0.5 mm.

Physical Properties: *Cleavage:* None. *Fracture:* Conchoidal. *Tenacity:* Brittle. *Hardness* = ~3
D(meas.) = n.d. D(calc.) = 5.325

Optical Properties: Opaque. *Color:* Grayish black; in reflected light, gray. *Streak:* Black.
Luster: Metallic.

Optical Class: Isotropic. $n = n.d.$

R: (400) 34.21, (470) 35.18, (500) 35.05, (546) 34.88, (589) 34.72, (600) 34.65, (650) 34.26,
(700) 33.76

Cell Data: *Space Group:* $Fm\bar{3}m$. $a = 5.650(5)$ $Z = 2$

X-ray Powder Pattern: Baberast, near Haslach, Central Black Forest, Germany.
2.83 (100), 3.26 (90), 1.998 (80), 1.703 (60), 1.630 (50), 1.263 (30), 1.296 (20)

Chemistry:	(1)
Ag	36.1
Sb	41.4
<u>S</u>	<u>22.1</u>
Total	99.6

(1) Baberast, near Haslach, Central Black Forest, Germany; by energy-dispersion analysis; corresponds to Ag_{0.97}Sb_{0.99}S₂.

Polymorphism & Series: Trimorphic with miargyrite and baumstarkite.

Occurrence: In a hydrothermal assemblage.

Association: Quartz, arsenopyrite.

Distribution: From Baberast, near Haslach, Central Black Forest, Germany.

Name: The prefix, *cubo*, alludes to a cubic polymorphic relation with miargyrite.

References: (1) Walenta, K. (1998) Cuboargyrit, ein neues Silbermineral aus dem Schwarzwald. *Lapis*, 23(11), 21-23. (2) (1999) *Amer. Mineral.*, 84, 1196 (abs. ref. 1). (3) Geller, S. and J.H. Wernick (1959) Ternary semiconducting compounds with sodium chloride-like structures: AgSbSe₂, AgSbTe₂, AgBiS₂, AgBiSe₂. *Acta Cryst.*, 12, 46-54.