

Crystal Data: n.d. *Point Group:* n.d. In anhedral grains of 0.05 mm average diameter.

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

Optical Properties: Opaque. *Color:* In polished section, pale gray with faint olive-brown tint.

Luster: Metallic. *Anisotropism:* Distinct in air, strong in oil, cream to bluish green.

R₁–R₂: (400) —, (420) —, (440) 33.6–33.4, (460) 33.5–33.8, (480) 33.1–33.6, (500) 32.5–33.9, (520) 32.1–33.2, (540) 32.1–33.7, (560) 31.8–33.7, (580) 31.4–33.9, (600) 31.2–33.7, (620) 31.0–34.1, (640) 31.0–33.5, (660) 30.9–33.4, (680) —, (700) —

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

X-ray Powder Pattern: n.d.

Chemistry:	(1)	(2)	(3)	(4)
Ag	64.7	64.0	61.0	59.1
Cu	6.2	5.4	4.3	6.8
Pb	0.8	1.4	1.3	3.1
Fe	1.1	0.8	1.1	0.6
Bi	16.9	16.8	16.0	17.0
Te	1.5	1.8	1.9	2.3
S	11.6	12.6	11.8	13.7
Total	102.8	102.8	97.4	102.6

(1–4) Ivigtut, Greenland; by electron microprobe, the average leading to Ag_{6.01}Cu_{0.95}Bi_{0.84}Pb_{0.07}Fe_{0.13}Te_{0.18}S_{4.01}.

Occurrence: In a cryolite deposit.

Association: Galena, hessite, aikinite, matildite, berryite, tellurian canfieldite, acanthite, bismuth, quartz, fluorite, cryolite.

Distribution: From the Ivigtut cryolite deposit, southwestern Greenland [TL].

Name: For the major metallic elements in the mineral: ARgentum, *silver*; CUprum, *copper*; BISMuth and Sulfur.

Type Material: University of Copenhagen, Copenhagen, Denmark, 1973,114.

References: (1) Karup-Møller, S. (1976) Arcubisite and mineral B—two new minerals from the cryolite deposit at Ivigtut, South Greenland. *Lithos*, 9, 253–257. (2) (1978) *Amer. Mineral.*, 63, 424 (abs. ref. 1).