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Crystal Data: Orthorhombic. Point Group: 2/m 2/m 2/m. Crystals lathlike, elongated [001], flattened {100}, may be needlelike [001], and as very thin plates, to 1 cm. Commonly crystalline, massive, indistinctly columnar to fibrous.

Physical Properties: Cleavage: Good on $\{110\}$. Tenacity: Flexible. Hardness = 2.5–3.5 VHN = 142–194 (100 g load). D(meas.) = 7.04 D(calc.) = 7.195

Optical Properties: Opaque. Color: Pale gray to tin-white or lead-gray, may tarnish yellow or iridescent. Streak: Black. Luster: Metallic. Anisotropism: Strong. R₁-R₂: (400) 48.0–51.1, (420) 47.9–51.1, (440) 47.8–51.1, (460) 47.7–51.0, (480) 47.5–50.8, (500) 47.1–50.5, (520) 46.6–49.8, (540) 45.9–48.8, (560) 45.3–48.2, (580) 44.8–47.7, (600) 44.6–47.2, (620) 44.4–46.8, (640) 44.4–46.7, (660) 44.4–46.7, (680) 44.5–46.8, (700) 44.7–47.1

Cell Data: Space Group: Pnam. a = 11.669 b = 14.533 c = 4.090 Z = 4

X-ray Powder Pattern: Cariboo mine, Canada. 3.45 (10), 1.961 (5), 3.03 (4), 2.46 (4), 2.05 (4), 3.65 (3), 2.76 (3)

Chemistry:		(1)	(2)
	Pb	27.65	27.50
	Fe	trace	
	Bi	54.69	55.48
	\mathbf{S}	17.35	17.02
	Total	99.69	100.00

(1) Nordmark, Sweden. (2) $PbBi_2S_4$.

Occurrence: Of hydrothermal origin.

Association: Galena, bismuth, cosalite, aikinite, tellurobismuthite, joséite, tetradymite, tetrahedrite, gold, pyrite, quartz.

Distribution: In Sweden, from the Ko mine, Nordmark, Värmland [TL]; at Gladhammar and Falun, Kopparberg. From Oberpinzgau, Salzburg, Austria. At Pechtelsgrön, Saxony, Germany. From the Măgura mine, Baia Borşa district, Romania. In the Gupworthy mine, Brendon Hills, Somerset, and at Wheal Penrose, Sithney, Cornwall, England. At Corrie Buie, Meal nan Oighreag, Perthshire, Scotland. From Kingsgate, New South Wales; and at Mt. Farrell, Tasmania, Australia. At Chenzhou, Hunan Province, China. In the USA, in the Belzazzar mine, Quartzburg district, Boise Co., Idaho; and in the Hatfield mine, Okanogan Co., and the Germania mine, Fruitland, Stevens Co., Washington. From the Cariboo mine, Barkerville, Cariboo district, British Columbia; in the Siscoe mine, Gowganda, Ontario; and at Dublin Gulch, Yukon Territory, Canada. At Cerro Bonete, Bolivia. Known from a number of other minor occurrences.

Name: In allusion to galena and bismuth in its composition.

Type Material: Swedish Museum of Natural History, Stockholm, Sweden, 3987.

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