

The fracture is small and imperfect conchoidal.

It is semi-hard.

It is brittle.

It is easily frangible,

It is heavy.

Specific gravity, 4.842, 4.893, *Ullmann*.

Chemical Characters.

Before the blowpipe, it decrepitates, and then melts into a black cupreous bead, giving out a white antimonial vapour.

Constituent Parts.

	Kapnik in Transylvania.	Poratsch in Hungary.	Anna-berg in Saxony.	Zilla in Claus-thal	St Wenzel near Wolf-ach.	Peru.
Copper,	37.75	39.00	40.25	37.50	25.50	27.00
Antimony,	22.00	19.50	23.00	29.00	27.00	23.50
Sulphur,	28.00	26.00	18.50	21.50	25.50	27.75
Silver, -	0.25	-	0.30	3.00	13.25	10.25
Iron, -	3.25	7.50	13.50	6.50	-	-
Lead, -	-	-	-	-	-	1.75
Arsenic,	-	-	0.75	-	-	-
Zinc, -	5.00	-	-	-	-	-
Mercury, -	-	6.25	-	-	-	-
Loss, -	3.75	1.75	3.70	2.50	1.75	2.75
	<u>100.00</u>	<u>100.00</u>	<u>100.00</u>	<u>100.00</u>	<u>100.00</u>	<u>100.00</u>

Klaproth, Beit. b. iv. s. 56. 68. 73. & 80.

From these analyses, it appears, that the essential component parts of Black Copper are, Copper, Antimony, Iron, and Sulphur, and that the Silver, Lead, Zinc, and Mercury, are only accidentally mixed.

Geognostic