

Name and formula

Reference code: 00-003-1005
PDF index name: Copper
Empirical formula: Cu
Chemical formula: Cu

Crystallographic parameters

Crystal system: Cubic
Space group: Fm-3m
Space group number: 225

a (Å): 3.6077
b (Å): 3.6077
c (Å): 3.6077
Alpha (°): 90.0000
Beta (°): 90.0000
Gamma (°): 90.0000

Measured density (g/cm³): 8.94
Volume of cell (10⁶ pm³): 46.96
Z: 4.00

RIR: -

Status, subfiles and quality

Status: Marked as deleted by ICDD
Subfiles: Inorganic
Quality: Blank (B)

Comments

Deleted by: Deleted by NBS card.
Color: Red
General comments: Reflections 2.08, 1.80, 1.08 were deleted by author.
Sample preparation: Precipitated from concentrated CuSO₄ solution by addition of a concentrated solution of Na₂S₂O₄.
Melting point: 1083

References

Primary reference: Jung., *Z. Kristallogr., Kristallgeom., Kristallphys., Kristallchem.* **64**, 419, (1926)

Peak list

No.	h	k	l	d [Å]	2Theta[deg]	I [%]
1	1	1	1	2.09000	43.254	100.0
2	2	0	0	1.81000	50.375	40.0
3	2	2	0	1.28000	73.997	80.0
4	3	1	1	1.09000	89.934	70.0
5				1.05000	94.381	40.0

Stick Pattern

