

Name and formula

Reference code: 00-001-1117

Mineral name: Tenorite
PDF index name: Copper Oxide

Empirical formula: CuO
Chemical formula: CuO

Crystallographic parameters

Crystal system: Monoclinic
Space group: C2/c
Space group number: 15

a (Å): 4,6530
b (Å): 3,4100
c (Å): 5,1080
Alpha (°): 90,0000
Beta (°): 99,4800
Gamma (°): 90,0000

Measured density (g/cm³): 6,10
Volume of cell (10⁶ pm³): 79,94
Z: 4,00

RIR: -

Status, subfiles and quality

Status: Marked as deleted by ICDD
Subfiles: Inorganic
Mineral
Alloy, metal or intermetallic
Quality: Blank (B)

Comments

Deleted by: Deleted by NBS.
Color: Iron gray to black
Optical data: B=2.63, 2V=70(15)°

References

Primary reference: Hanawalt. et al., *Anal. Chem.*, **10**, 475, (1938)
Unit cell: *Dana's System of Mineralogy, 7th Ed.*

Peak list

No.	h	k	l	d [Å]	2Theta [deg]	I [%]
1	-1	1	1	2,51000	35,744	100,0
2	1	1	1	2,31000	38,958	100,0
3	-2	0	2	1,85000	49,212	20,0
4	0	2	0	1,70000	53,888	8,0

5	2	0	2	1,57000	58,765	8,0
6	-1	1	3	1,50000	61,799	15,0
7	0	2	2	1,41000	66,229	20,0
8	2	2	0	1,37000	68,425	20,0
9	3	1	1	1,30000	72,675	5,0
10	0	0	4	1,26000	75,374	10,0
11	-3	1	3	1,16000	83,219	5,0
12	-1	3	1	1,09000	89,934	3,0
13	0	2	4	1,01000	99,401	3,0
14	-1	1	5	0,98000	103,630	3,0
15	5	1	0	0,89000	119,881	3,0

Stick Pattern

