

Name and formula

Reference code: 00-001-1207

PDF index name: Molybdenum

Empirical formula: Mo

Chemical formula: Mo

Crystallographic parameters

Crystal system: Cubic

Space group: Im-3m

Space group number: 229

a (Å): 3.1400

b (Å): 3.1400

c (Å): 3.1400

Alpha (°): 90.0000

Beta (°): 90.0000

Gamma (°): 90.0000

Measured density (g/cm³): 10.20Volume of cell (10⁶ pm³): 30.96

Z: 2.00

RIR: -

Status, subfiles and quality

Status: Marked as deleted by ICDD

Subfiles: Inorganic

Quality: Blank (B)

Comments

Deleted by: Deleted by NBS card.

Color: Silvery white

Melting point: 2625

ReferencesPrimary reference: Hanawalt et al., *Anal. Chem.*, **10**, 475, (1938)Optical data: *Data on Chem. for Cer. Use, Natl. Res. Council Bull. 107*Unit cell: *The Structure of Crystals, 1st Ed.***Peak list**

No.	h	k	l	d [Å]	2Theta[deg]	I [%]
1	1	1	0	2.22000	40.606	100.0
2	2	0	0	1.57000	58.765	36.0
3	2	1	1	1.28000	73.997	57.0
4	2	2	0	1.11000	87.889	17.0
5	3	1	0	1.00000	100.762	23.0
6	2	2	2	0.91000	115.662	7.0

7	3	2	1	0.84000	132.990	23.0
8	4	0	0	0.79000	154.356	3.0
9	4	1	1	0.74000		14.0
10	4	2	0	0.70000		11.0
11	3	3	2	0.67000		9.0
12	4	2	2	0.64000		6.0
13				0.62000		14.0

Stick Pattern

