Name and formula

Reference code:	00-004-0850
Mineral name:	Nickel, syn
Compound name:	Nickel
Empirical formula:	Ni
Chemical formula:	Ni

Crystallographic parameters

Crystal system:	Cubic
Space group:	Fm-3m
Space group number:	225
a (?):	3.5238
b (?):	3.5238
c (?):	3.5238
Alpha (°):	90.0000
Beta (°):	90.0000
Gamma (°):	90.0000
Calculated density (g/cm^3):	8.91
Volume of cell (10^6 pm^3):	43.76
Z:	4.00
RIR:	-

Subfiles and quality

Subfiles:	Alloy, metal or intermetalic
	Common Phase
	Educational pattern
	Forensic
	Inorganic
	Mineral
	NBS pattern
Quality:	Star (S)

Comments

Color:	White
Creation Date:	1970/1/1

Modification Date:	1970/1/1
Color:	White
Sample Source or Locality:	Sample obtained from Johnson Matthey Company, Ltd
Analysis:	Spectrographic analysis show <0.01% each of Mg, Si and Ca
Temperature of Data Collection:	Pattern taken at 26 C
Additional Patterns:	See ICSD 64989 (PDF 01-087-0712).

References

Primary reference: Swanson, Tatge., *Natl. Bur. Stand. (U.S.), Circ. 539*, I, 13, (1953)

Peak list

No.	h	k	l	d [A]	2Theta[deg]	I [%]
1	1	1	1	2.03400	44.508	100.0
2	2	0	0	1.76200	51.847	42.0
3	2	2	0	1.24600	76.372	21.0
4	3	1	1	1.06240	92.947	20.0
5	2	2	2	1.01720	98.449	7.0
6	4	0	0	0.88100	121.936	4.0
7	3	3	1	0.80840	144.679	14.0
8	4	2	0	0.78800	155.666	15.0

Stick Pattern