Electronic Supplementary Material (ESI) for Analytical Methods.

Name and formula

Reference code:	01-074-2081
ICSD name:	Nickel Iron Oxide
Empirical formula:	Fe_2NiO_4
Chemical formula:	$NiFe_2O_4$

Crystallographic parameters

Crystal system:	Cubic
Space group:	Fd-3m
Space group number:	227
a (Å):	8.3379
b (Å):	8.3379
c (Å):	8.3379
Alpha (°):	90.0000
Beta (°):	90.0000
Gamma (°):	90.0000
Calculated density:	5.37
Volume of cell:	579.66
Z:	8.00
RIR:	4.83

Subfiles and Quality

Subfiles:	Inorganic Corrosion Modelled additional pattern
Quality:	Calculated (C)

Comments

ICSD collection code:	028108
Test from ICSD:	No R value given. At least one TF missing.

References

Primary reference:	*Calculated from ICSD using POWD-12++*, (1997)
Structure:	Subramanyam, K.N., *J. Phys. C: Solid State Phys.*, **4**, 2266, (1971)

Peak list

No.	h	k	l	d [A]	2Theta[deg]	I [%]
1	1	1	1	4.81389	18.416	11.4
2	2	2	0	2.94789	30.295	29.9
3	3	1	1	2.51397	35.686	100.0

4	2	2	2	2.40694	37.330	7.4
5	4	0	0	2.08448	43.375	20.2
6	3	3	1	1.91285	47.494	0.5
7	4	2	2	1.70197	53.820	8.1
8	5	1	1	1.60463	57.377	26.1
9	4	4	0	1.47395	63.015	33.1
10	5	3	1	1.40936	66.263	0.8
11	4	4	2	1.38965	67.327	0.1
12	6	2	0	1.31834	71.506	2.4
13	5	3	3	1.27152	74.574	5.9
14	6	2	2	1.25699	75.586	2.3
15	4	4	4	1.20347	79.593	1.9
16	7	1	1	1.16754	82.564	0.4
17	6	4	2	1.11420	87.474	2.3

Stick Pattern