

*** Basic Data Process ***

Group : Ka-XRD-942

Data : NiO-S1

Strongest 3 peaks

no.	peak no.	2Theta (deg)	d (Å)	I/I1	FWHM (deg)	Intensity (Counts)	Integrated Int (Counts)
1	7	31.7546	2.81565	100	0.36370	650	2523
2	8	45.5262	1.99084	49	0.41190	316	1399
3	12	75.4110	1.25948	20	0.40250	131	555

Peak Data List

peak no.	2Theta (deg)	d (Å)	I/I1	FWHM (deg)	Intensity (Counts)	Integrated Int (Counts)
1	7.8869	11.20080	3	0.33380	20	93
2	9.5115	9.29100	3	0.57690	21	243
3	14.0965	6.27765	3	0.31810	20	130
4	16.0985	5.50119	3	0.48290	20	156
5	16.6740	5.31259	4	0.27020	24	100
6	27.4065	3.25168	12	0.33070	80	351
7	31.7546	2.81565	100	0.36370	650	2523
8	45.5262	1.99084	49	0.41190	316	1399
9	53.9575	1.69797	4	0.36500	24	171
10	56.5628	1.62578	13	0.34630	82	330
11	66.3477	1.40776	7	0.26460	44	133
12	75.4110	1.25948	20	0.40250	131	555
13	76.2166	1.24816	4	0.21670	23	75

*** Basic Data Process ***

Data Information

Group : Ka-XRD-942
Data : NiO-S1
Sample Nmae : NiO-S1
Comment :
Date & Time : 07-23-21 11:25:43

Measurement Condition

X-ray tube
target : Cu
voltage : 40.0 (kV)
current : 30.0 (mA)
Slits
Auto Slit : not Used
divergence slit : 1.00000 (deg)
scatter slit : 1.00000 (deg)
receiving slit : 0.30000 (mm)
Scanning
drive axis : Theta-2Theta
scan range : 5.0000 - 80.0000 (deg)
scan mode : Continuous Scan
scan speed : 10.0000 (deg/min)
sampling pitch : 0.1000 (deg)
preset time : 0.60 (sec)

Data Process Condition

Smoothing [AUTO]
smoothing points : 5
B.G.Subtruction [AUTO]
sampling points : 5
repeat times : 30
Ka1-a2 Separate [MANUAL]
Ka1 a2 ratio : 50 (%)
Peak Search [AUTO]
differential points : 5
FWHM threshold : 0.050 (deg)
intensity threshold : 30 (par mil)
FWHM ratio (n-1)/n : 2
System error Correction [NO]
Precise peak Correction [NO]

