

\*\*\* Basic Data Process \*\*\*

Group : Krasnov  
Data : 9991

# Strongest 3 peaks

no.	peak no.	2Theta (deg)	d (Å)	I/I1	FWHM (deg)	Intensity (Counts)	Integrated Int (Counts)
1	4	27.6776	3.22044	100	0.15070	60575	196439
2	7	32.8854	2.72137	68	0.15890	40892	152893
3	15	52.3624	1.74588	31	0.20500	18573	89025

# Peak Data List

peak no.	2Theta (deg)	d (Å)	I/I1	FWHM (deg)	Intensity (Counts)	Integrated Int (Counts)
1	21.3468	4.15905	3	0.15570	2011	7809
2	24.7040	3.60093	21	0.15200	12677	45877
3	27.3500	3.25826	3	0.17040	1937	22280
4	27.6776	3.22044	100	0.15070	60575	196439
5	28.0000	3.18409	2	0.24360	1255	17655
6	30.3825	2.93961	23	0.16490	13686	52827
7	32.8854	2.72137	68	0.15890	40892	152893
8	35.2269	2.54566	3	0.15320	1610	6802
9	37.4463	2.39972	8	0.15680	4944	18274
10	39.5550	2.27651	9	0.16910	5434	21118
11	41.5714	2.17063	13	0.18560	8047	34610
12	43.5107	2.07827	9	0.18840	5281	23308
13	45.3871	1.99662	15	0.17980	8992	37974
14	48.9676	1.85867	7	0.19450	3982	18756
15	52.3624	1.74588	31	0.20500	18573	89025
16	53.9975	1.69680	16	0.19140	9575	41950
17	55.6055	1.65148	21	0.21890	12806	66175
18	58.7318	1.57081	3	0.20610	1672	8962
19	60.2585	1.53461	3	0.20770	1767	8973
20	61.7528	1.50101	15	0.23610	8822	48353
21	64.6897	1.43978	6	0.25210	3450	20003
22	67.5659	1.38531	4	0.24330	2390	13961
23	73.1417	1.29285	3	0.26980	1780	11494
24	75.8601	1.25313	2	0.27880	1341	9337
25	78.5526	1.21679	7	0.31120	4392	31944
26	79.8959	1.19967	7	0.28510	4196	28140
27	81.2250	1.18337	6	0.29350	3910	25581
28	87.8334	1.11056	2	0.29700	1305	8614
29	89.1272	1.09776	3	0.35410	1624	13150
30	91.7543	1.07307	3	0.36020	1537	13401
31	97.0112	1.02841	5	0.39640	2875	25402

\*\*\* Basic Data Process \*\*\*

# Data Information

Group : Krasnov  
Data : 9991  
Sample Nmae : KBi12TiO20\_600\_5h  
Comment :  
Date & Time : 01-18-22 08:50:41

# Measurement Condition

X-ray tube  
target : Cu  
voltage : 30.0 (kV)  
current : 30.0 (mA)  
Slits  
Auto Slit : not Used  
divergence slit : 1.00000 (deg)  
scatter slit : 1.00000 (deg)  
receiving slit : 0.15000 (mm)  
Scanning  
drive axis : Theta-2Theta  
scan range : 10.0000 - 100.0000 (deg)  
scan mode : Continuous Scan  
scan speed : 0.3000 (deg/min)  
sampling pitch : 0.0500 (deg)  
preset time : 10.00 (sec)

# Data Process Condition

Smoothing [ NO ]  
B.G.Subtruction [ AUTO ]  
sampling points : 5  
repeat times : 30  
Kal-a2 Separate [ MANUAL ]  
Kal a2 ratio : 50 (%)  
Peak Search [ MANUAL ]  
differential points : 5  
FWHM threshold : 0.050 (deg)  
intensity threshold : 20 (par mil)  
FWHM ratio (n-1)/n : 2  
System error Correction [ NO ]  
Precise peak Correction [ NO ]

