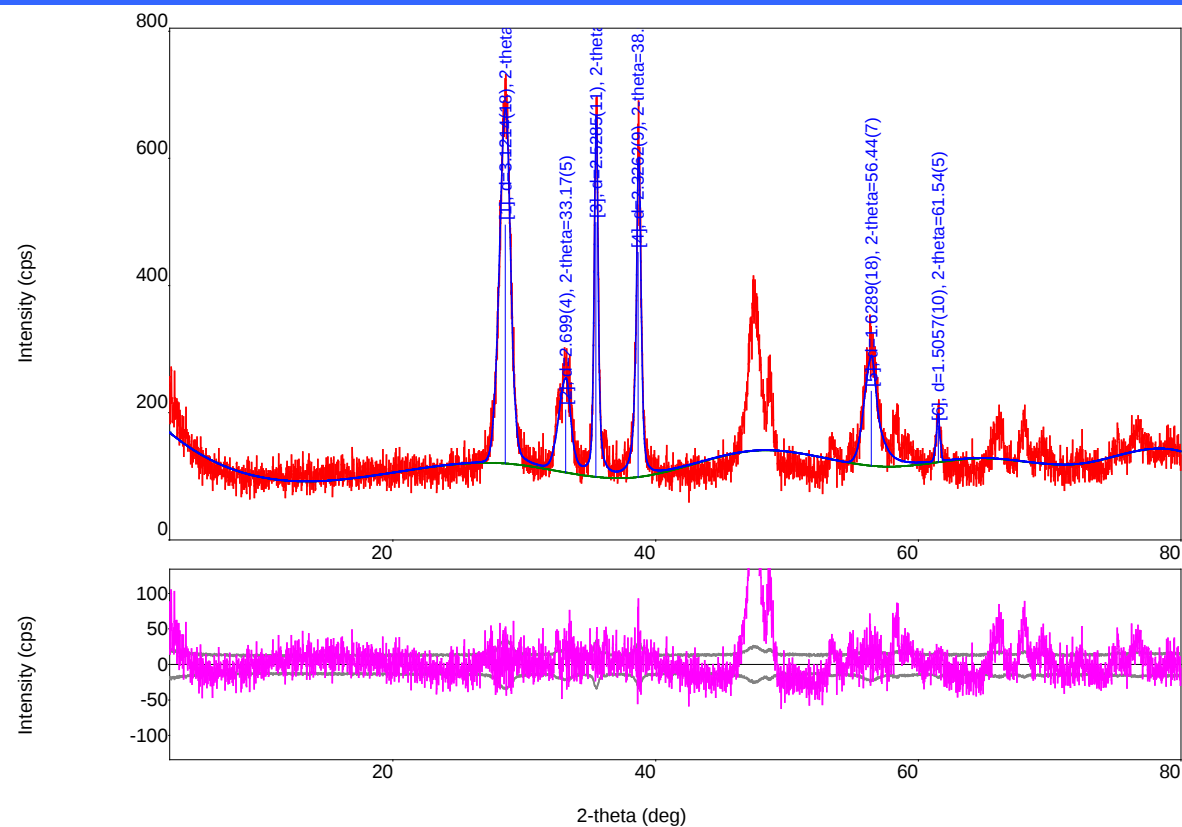


Analysis Results

General Information

Analysis date	2013/05/02 09:53:46	Measurement date	2013/04/30 15:59:34
Sample name	TEST SAMPLE	Operator	Computerlab
File name	RP31.raw		
Comment			

Measurement profile

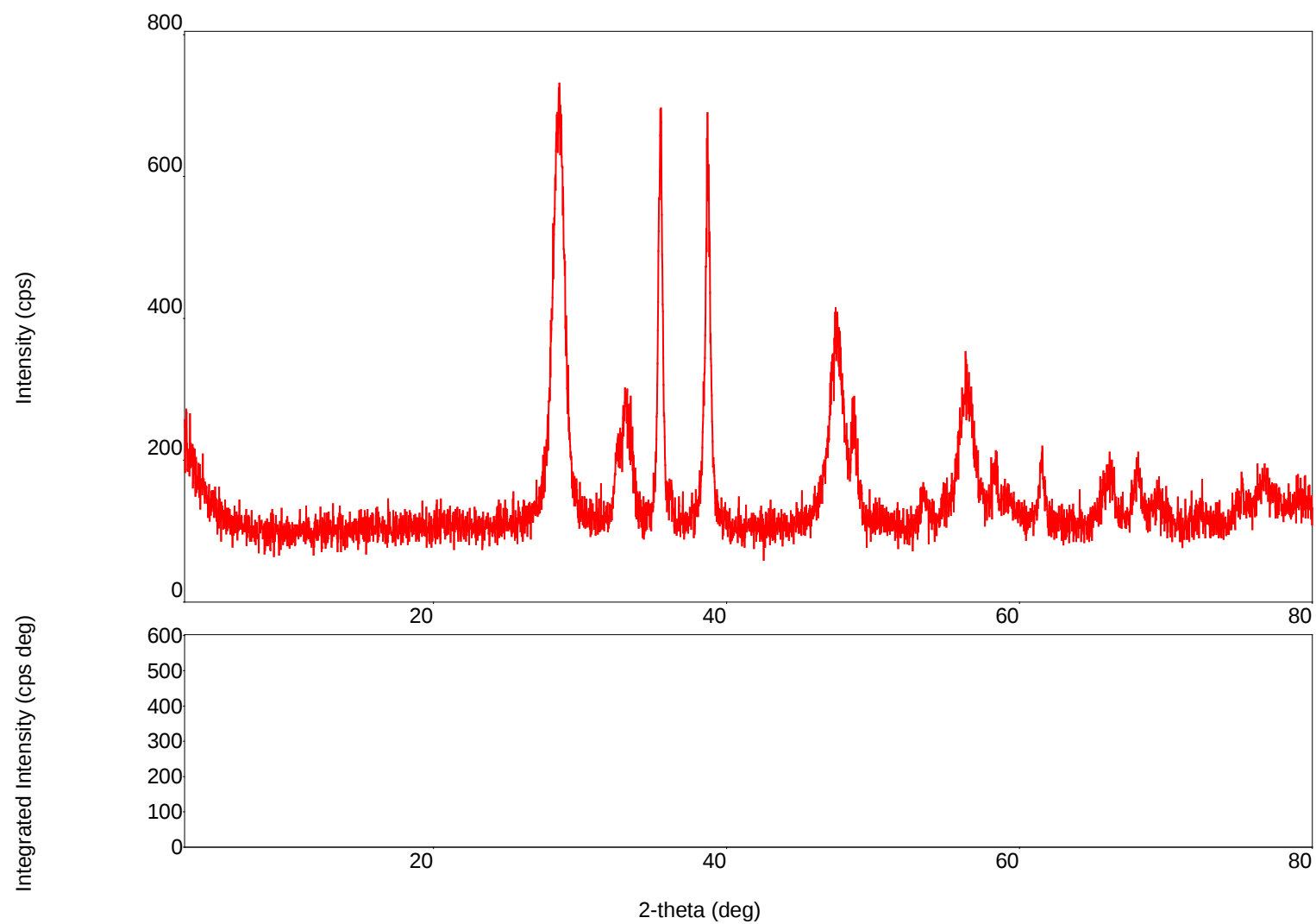


Measurement conditions

X-Ray	40 kV , 40 mA	Scan speed / Duration time	2.0000 deg./min.
Goniometer		Step width	0.0200 deg.
Attachment	-	Scan axis	2theta/theta
Filter		Scan range	3.0000 - 80.0000 deg.
CBO selection slit	-	Incident slit	2/3deg.
Diffrected beam mono.	Fixed Monochro.(U4)	Length limiting slit	-
Detector	Scintillation counter	Receiving slit #1	2/3deg.
Scan mode	CONTINUOUS	Receiving slit #2	0.3mm

Qualitative analysis results

Phase name	Formula	Figure of merit	Phase reg. detail	DB card number
Phase name	Formula	Space group	Phase reg. detail	DB card number



Peak list

No.	2-theta(deg)	d(ang.)	Height(cps)	FWHM(deg)	Int. I(cps deg)	Int. W(deg)	Asym. factor
1	28.574(17)	3.1214(18)	375(25)	0.968(14)	408(6)	1.09(9)	1.26(8)
2	33.17(5)	2.699(4)	98(13)	1.04(4)	119(5)	1.2(2)	1.6(3)
3	35.473(16)	2.5285(11)	400(26)	0.307(14)	167(4)	0.42(4)	1.2(3)
4	38.676(16)	2.3262(9)	353(24)	0.394(14)	190(4)	0.54(5)	0.81(15)
5	56.44(7)	1.6289(18)	117(14)	1.10(8)	172(8)	1.5(2)	1.5(5)
6	61.54(5)	1.5057(10)	57(10)	0.28(5)	17(3)	0.30(10)	2.3(18)

Parameters used for WPPF

Profile parameters

Common parameter	Background	Data	RP31
		Function name	B-spline
		param0	169.0499537158353
		param1	21.915046197647648
		param2	175.56053576817425
		param3	69.732729685070851
		param4	171.35704259241118
		param5	95.590151306119751
		param6	142.91779174117713
		param7	98.749263716651512
		param8	154.77026925059869
		param9	139.19726066799294
		node0	3
		node1	28.66
		node2	38.259999999999998
		node3	47.859999999999999
		node4	57.460000000000001
		node5	64.959999999999994
		node6	72.459999999999994
		node7	80
Common parameter	Peak shift		
		Function name	Shift axial displacement
		param0	0
		param1	0
		param2	0

Structure parameters

Data set name	Phase Name	Element	x	y	z	Occupancy	Temperature factor
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Data set name	Rwp	Rp	Re	S	Chi^2	Maximum shift/e.s.d.
RP31	0	0	0	0	0	0

Lattice constants

Angular correction

Analysis results

Data set name	a(A)	b(A)	c(A)	alpha(deg)	beta(deg)	gamma(deg)	
Phase name	a(A)	b(A)	c(A)	alpha(deg)	beta(deg)	gamma(deg)	V(A^3)

LCGraph.emf

Crystallinity

Data set name	Crystallinity(%)
CrystallinityGraph.emf	

Crystallite size and lattice strain

Williamson-Hall method

Data set name		Crystallite size(A)		Strain(%)	
Phase name	Crystallite size(A)	Size distribution	Strain(%)	Distribution type	
CSSGraph.emf					

Quantitative analysis results (RIR)

RIRGraph.emf

Quantitative analysis results (WPPF)

Quantitative analysis results (standard addition method)

Calibration data

QuantityCalibration.emf

Quantitative analysis results (External Standard method)

Calibration data

QuantityCalibration.emf

Quantitative analysis results (internal standard method)

Calibration Data

QuantityCalibration.emf

Stress

Stress constants

Analytical conditions

Analysis results

StressGraph.emf