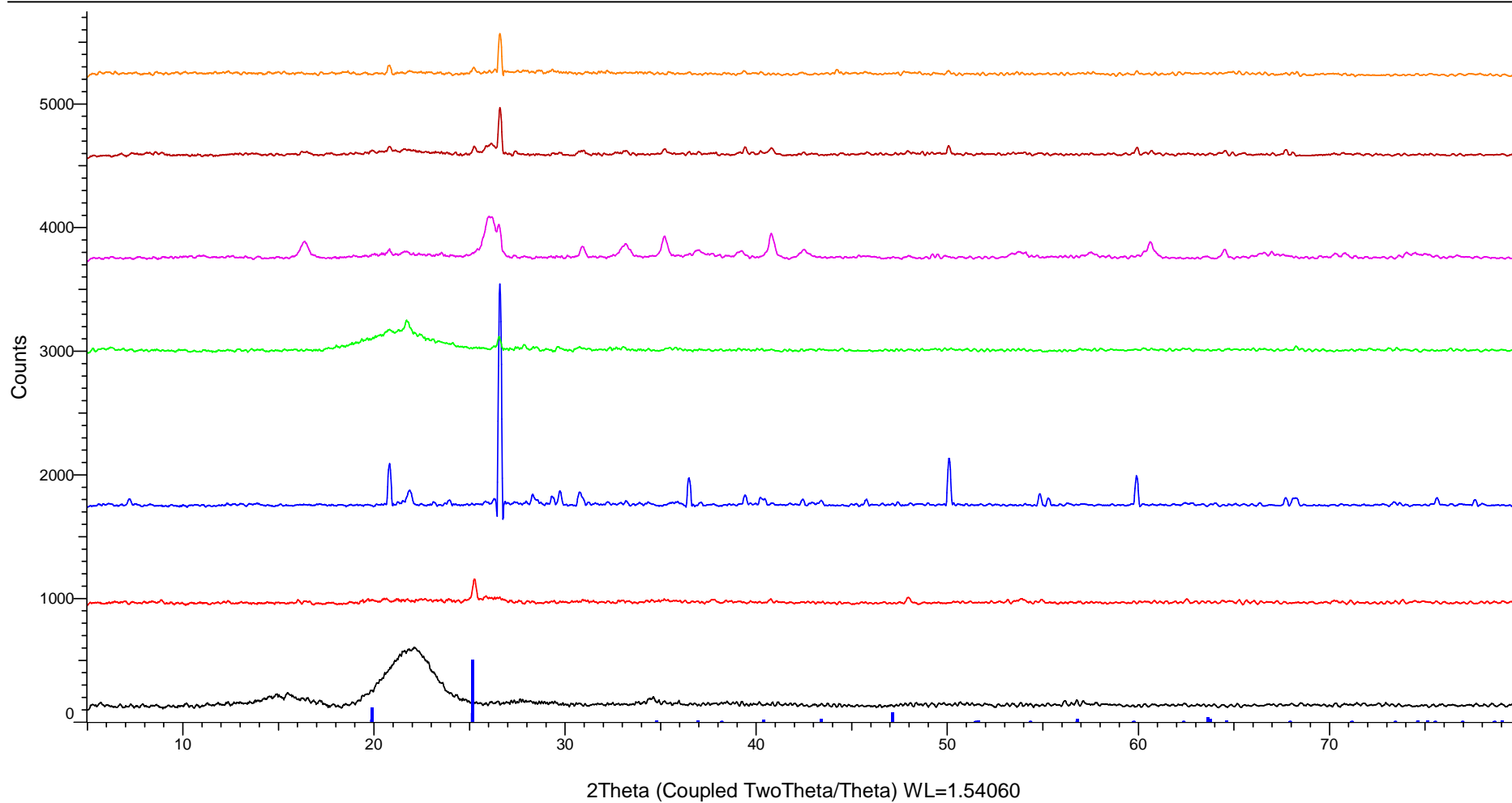


Raw Rice Husk (Coupled TwoTheta/Theta)



Pattern: PDF 01-080-2147 (Tune Cell) Radiation: 1.54060 Quality:
User modified

<div>Formula Name Name (mineral) Name (common)</div>			Si O2 Silicon Oxide α -Si O2, quartz, syn		
<div>Lattice: S.G.:</div>		Hexagonal P321 (154)	<div>Mol. weight = Volume [CD] = Dx = Dm = l/lcor =</div>		
<div>a = b = c = a/b = c/b =</div>		<div>5.15390 5.79810 1.00000 1.12499</div>	<div>alpha = beta = gamma = Z = 3</div>		
<div>ANX: AX2 Analysis: O2 Si1 Formula from original source: Si O2 ICSD Collection Code: 70006 Hypothetical Structure: Structure calculated theoretically Calculated Pattern Original Remarks: Stable up to 846 K, above P6222, above 1143 K tridymite is stable Minor Warning: No e.s.d reported/abstracted on the cell dimension Wyckoff Sequence: c a(P3221) Unit Cell Data Source: Single Crystal</div>					
<div>Structure Publication: Phys. Rev. B: Condens. Matter. Mater. Phys. Detail: volume 44, page 489 (1991) Authors: Chelikowsky, J.R., Troullier, N., Martins, J.L., King, Jr., H.E. Primary Reference Publication: Calculated from ICSD using POWD-12++</div>					
<div>Radiation: Wavelength: h:</div>		CuK α 1 1.54060	<div>Filter: d-spacing:</div>		
<div>SS/FOM:</div>		999.9 (0,31)			

d	2θ	l fix	h	k	l
0.8842 1	121.19 2	2	0	4	4
0.8822 9	121.63 5	3	0	5	1
0.8697 9	124.65 5	4	1	4	3
0.8619 4	126.67 9	3	2	2	5
0.8589 8	127.47 0	2	3	3	0
0.8531 5	129.08 1	5	0	5	2
0.8497 1	130.06 4	4	3	3	1
0.8463 1	131.06 4	7	3	1	5
0.8435 0	131.90 7	5	4	2	0
0.8385 2	133.45 5	2	1	2	6
0.8363 4	134.15 5	9	2	3	4
0.8347 2	134.68 6	2	2	4	1
0.8235 9	138.55 1	2	3	3	2
0.8144 0	142.11 9	4	0	1	7
0.8104 1	143.79 7	5	0	3	6
0.8104 1	143.79 6	5	5	0	3
0.8099 2	144.01 0	4	2	4	2
0.8084 4	144.66 1	5	1	4	4
0.8040 5	146.67 9	2	0	4	5
0.8016 5	147.84 6	3	5	1	0