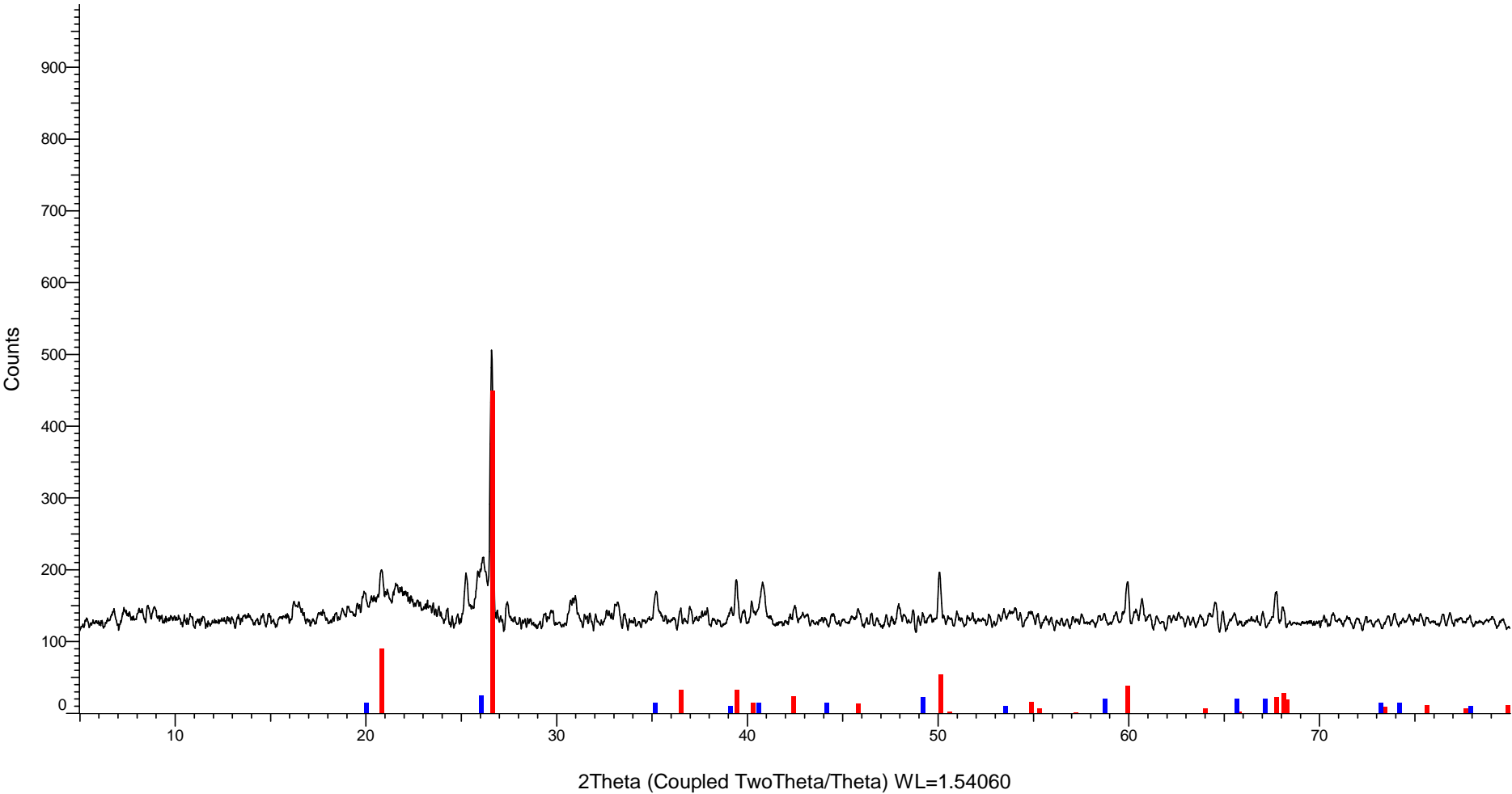


OPT5 Before (Coupled TwoTheta/Theta)



Pattern: PDF 00-007-0346 Radiation: 1.54060 Quality: Low precision

Formula Si O2		d	2θ	I fix	h	k	l
Name Silicon Oxide		4.43000	20.027	61	1	0	0
Name (mineral) Quartz		3.42000	26.033	101	1	0	1
Name β-Si O2		2.55000	35.165	61	1	1	0
(common)		2.30000	39.134	40	1	0	2
		2.22000	40.606	61	2	0	0
		2.05000	44.142	61	2	0	1
		1.85000	49.212	91	1	1	2
Lattice: Hexagonal		1.71000	53.547	40	2	0	2
S.G.: P6222 (180)		1.57000	58.765	80			
		1.42100	65.651	80	2	1	2
		1.39300	67.143	80	2	0	3
		1.29200	73.198	61	3	0	2
		1.27700	74.200	61	2	2	0
		1.22500	77.926	40	3	1	0
		1.19600	80.191	61	3	1	1
		1.19000	80.678	40	1	1	4
		1.11300	87.592	20	3	1	2
		1.10500	88.390	20	4	0	0
		1.04400	95.095	20	1	0	5
Deleted Or Rejected By: Deleted: JVS during 6-10 revision Sample Preparation: Fired to 1000 C, the sample develops β-quartz which is retained down to room temperature Sample Source or Locality: Sample of montmorillonite from Otay, California, USA Warning: One or more of the three strongest lines are unindexed							
Primary Reference Publication: Am. Mineral. Detail: volume 36, page 182 (1951) Authors: Bradley, Grim.							
Radiation: Wavelengt 1.54060 h: SS/FOM: 5.8 (0.091,34)		Filter: Not specified d-spacing:					