

Quantitative Analysis from Profile-Fitted Peaks

FILE: [P2 SS16 554 Light.raw] P2 SS16 554' light

SCAN: 2.5/60.0/0.02/1.2(sec), Cu(40kV,40mA), I(max)=2506, 06/08/15 12:29p

PROC: [New Quantitative Analysis]

Phase ID (4)	RIR	Wt%	Wt(n)%	Vol(n)%	#L	I%-I(r)	POC
■ Siderite - FeCO ₃	3.60	23.4 (3.7)	23.4 (3.7)	19.1 (3.6)	2	57.9	<None>
■ Hydroxylapatite - Ca ₅ (PO ₄) ₃ (OH)	1.04	60.7 (9.5)	60.7 (9.5)	62.3 (11.8)	3	29.1	<None>
■ Quartz - SiO ₂	3.41	2.8 (0.4)	2.8 (0.4)	3.3 (0.6)	2	0.8	<None>
■ Calcite - (Mg _{0.06} Ca _{0.94})(CO ₃)	3.07	13.1 (2.0)	13.1 (2.0)	15.2 (2.9)	1	0.0	<None>

NOTE: Calculation Using: Peak Area, POC: Preferred Orientation Correction, Brindley Correction = 5.0 microns

2-Theta	FWHM	Height	H%	Area(a1)	A%	I(r)	I(p)	I%-I(r)	(h k l)
■ 24.532 (0.010)	0.289 (0.012)	214 (6)	100.0	4137 (154)	100.0	25.0	25.0	75.0	(0 1 2)
■ 38.050 (0.045)	0.381 (0.035)	124 (12)	58.1	2519 (309)	60.9	20.0	20.0	40.9	(1 1 0)
■ 25.757 (0.014)	0.420 (0.013)	278 (6)	100.0	6922 (215)	100.0	36.1	36.1	63.9	(0 0 2)
■ 33.087 (0.030)	0.393 (0.038)	237 (13)	85.0	4958 (518)	71.6	54.3	54.3	17.3	(3 0 0)
■ 34.092 (0.037)	0.341 (0.030)	116 (9)	41.7	2107 (232)	30.4	24.5	24.5	5.9	(2 0 2)
■ 26.568 (0.013)	0.201 (0.011)	174 (9)	100.0	1862 (136)	100.0	100.0	100.0	0.0	(1 0 1)
■ 20.782 (0.041)	0.186 (0.048)	30 (5)	17.1	327 (84)	17.6	16.0	16.0	1.6	(1 0 0)
■ 29.597 (0.003)	0.197 (0.004)	576 (8)	100.0	7996 (153)	100.0	100.0	100.0	0.0	(1 0 4)

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