

Quantitative Analysis from Profile-Fitted Peaks

FILE: [Rogg PSS-75 Top Light.raw] PSS-75 Top Light

SCAN: 2.5/60.0/0.02/1.2(sec), Cu(40kV,40mA), I(max)=4250, 06/05/15 10:46a

PROC: [New Quantitative Analysis]

Phase ID (4)	RIR	Wt%	Wt(n)%	Vol(n)%	#L	I%-I(r)	POC
Illite-2M2 - $\text{KAl}_2(\text{Si}_3\text{Al})\text{O}_{10}(\text{OH})_2$	0.36	4.3 (0.6)	4.3 (0.6)	4.4 (0.9)	1	56.0	<None>
Dolomite - $\text{CaMg}(\text{CO}_3)_2$	2.50	88.1 (13.3)	88.1 (13.3)	88.4 (17.8)	4	4.6	<None>
Siderite - $\text{Fe}(\text{CO}_3)$	3.58	3.1 (0.5)	3.1 (0.5)	2.3 (0.5)	1	0.0	<None>
Quartz - SiO_2	3.41	4.5 (0.7)	4.5 (0.7)	4.9 (1.0)	2	1.8	<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)
19.859 (0.030)	0.402 (0.022)	29 (1)	100.0	627 (43)	100.0	100.0	100.0	0.0	(1 1 0)
31.145 (0.006)	0.474 (0.004)	2573 (24)	100.0	67697 (756)	100.0	100.0	100.0	0.0	(1 0 4)
37.420 (0.017)	0.348 (0.015)	575 (24)	22.8	1780 (605)	17.4	10.5	10.5	6.9	(1 1 0)
41.252 (0.012)	0.457 (0.009)	597 (12)	23.2	357 (376)	22.7	25.1	25.1	-2.4	(1 1 3)
45.028 (0.010)	0.433 (0.008)	638 (12)	24.8	5144 (358)	22.4	13.2	13.2	9.2	(2 0 2)
32.064 (0.020)	0.247 (0.041)	207 (21)	100.0	3820 (497)	100.0	100.0	100.0	0.0	(1 0 4)
20.888 (0.010)	0.221 (0.010)	72 (3)	12.2	879 (45)	12.4	16.0	16.0	-3.6	(1 0 0)
26.663 (0.005)	0.197 (0.005)	586 (13)	100.0	7091 (195)	100.0	100.0	100.0	0.0	(1 0 1)

PSS-75 Top Light



