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SJ-STL

STAUROLITE CONCENTRATE SPECIFICATION SHEET

Chemical Analysis

<u>Parameters</u>	<u>Typical (%)</u>
Al ₂ O ₃ + TiO ₂	45 - 51%
SiO ₂ Amorphous Silica	28 - 29%
Quartz SiO ₂	0.5 – 1.0% max.
Free Silica Crystalline	0.5% max. BEST IN CLASS
Moisture	0.1% - 0.5%
Chloride	0.2% max.

Size Analysis

<u>Mesh</u>	<u>Microns</u>	<u>Retention (%)</u>	
		<u>Retained</u>	<u>Cumulative</u>
70	200	5 – 9	5 – 9
90	160	35 – 40	43 – 47
100	150	5 – 10	48 – 55
120	125	20 – 22	70 – 75
140	106	20 – 24	90 – 95
170	88	3 – 4	95 – 98
200	75	3 – 4	99 – 100
230	63	0.1 – 0.3	100
270	53	0	100
400	38	0	100

Physical Analysis

Color	Dark Brown
Bulk Density	130 lbs./ft ³
Specific Gravity	3.7 – 3.8
Grain Shape	Sub-angular
Solubility	Insoluble
Hardness	7 – 7.5 Mohs

Note: Staurolite is a natural product and as such slight variations in the chemical analysis and size distribution should be expected.

Comparable to DuPont Starblast XL and Opta Powerblast XC Staurolite.