



# Texan Stone LLC

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## STAR-O-RIGHT

### STAUROLITE CONCENTRATE SPECIFICATION SHEET



#### Chemical Analysis

<u>Parameters</u>	<u>Typical (%)</u>
Al <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub>	45 - 51%
SiO <sub>2</sub>	28 - 29%
Quartz	0.5 – 1.0% max.
Respirable Crystalline Silica	Less than 0.01% <b>BEST IN CLASS</b>
Moisture	0.1% - 0.5%
Chloride	6 PPM

#### 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

<b>Color</b>	<b>Dark Brown</b>
Bulk Density	130 lbs./ft <sup>3</sup>
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.**