



Texan Stone LLC

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STAR-O-RIGHT STAUROLITE CONCENTRATE



<u>Chemical and Physical Analysis</u>	
<u>Parameters</u>	<u>Typical (%)</u>
Al ₂ O ₃ +TiO ₂	45 - 51%
SiO ₂	28 - 29%
Quartz	0.5 – 1.0% max.
Respirable Crystalline Silica	Less than 0.01%
Moisture	0.1% - 0.5%
Chloride	6 PPM
Conductivity	70 μS/cm
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

Size Analysis July 2018

<u>Mesh</u>	<u>Microns</u>	<u>Retention (%)</u>	
		<u>Retained</u>	<u>Cumulative</u>
60	250	0.5-1.0	0.5-1
70	210	12-13	12.5-13.5
80	177	42-44	53-56
100	149	28-30	81-85
120	125	12-14	93-97
140	105	2	95 –99
170	88	0.5-1	96-99.5
200	74	0.25	98-100
Pan	-	0.01	100

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