

## MINERALOGICAL & SIEVE ANALYSIS REPORT

### GLR GARNET- Mesh 20 -40

#### TYPICAL MINERALOGICAL ANALYSIS :

Minerals	Guaranteed	Typical
Garnet	Min 99.00%	99.70 %
Mica, Limonite & Amphibole, Only	Max 01.00 %	00.30 %

#### TYPICAL CHEMICAL ANALYSIS :

Si O <sub>2</sub>	35.44 %
Al <sub>2</sub> O <sub>3</sub>	20.78 %
Fe <sub>2</sub> O <sub>3</sub>	31.32 %
MgO	7.36 %
CaO	1.20 %
TiO <sub>2</sub>	1.04 %

#### SIEVE ANALYSIS (TYPICAL) :

<u>M.M</u>	<u>ASTM</u>	<u>Standard %</u>	<u>Typical %</u>	<u>CUM %</u>
0.850	+20	0 ~ 5	0.10	0.10
0.600	+30	20 ~ 50	30.44	30.54
0.425	+40	40 ~ 70	64.52	95.06
0.300	+50	0 ~ 15	4.42	99.48
	<b>PAN</b>	0 ~ 5	0.52	100

**SPECIFIC GRAVITY** : 4.0

**BULK DENSITY** : 2.38g/cm<sup>3</sup>

**HARDNESS (Moh's)** : 7.5

**CHLORIDE** : 14.32 ppm

Note: Variations in the size of grains occur from time to time although not guaranteed the grain distributions can be expected to be within the above ranges