



# Galaxy Minerals Singapore Pte Ltd.,

## MINERALOGICAL & SIEVE ANALYSIS REPORT

### **GALAXY GARNET- Mesh 1-12**

#### **TYPICAL MINERALOGICAL ANALYSIS:**

<b>Minerals</b>	<b>Guaranteed</b>	<b>Typical</b>
Garnet	Min 56.60 %	60.00 %
Pebbles, Quartz, Ilmenite, Leucoxene	Max 19.80 %	19.00 %
Other Heavy Minerals	Max 23.60 %	21.00 %

#### **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) :**

<b>MESH</b>	<b>MICRONS</b>	<b>RETAINED %</b>	
		<b>GUARANTEED%</b>	<b>TYPICAL %</b>
-5 # + 8# *	2360	13.9	14
-8 # + 10#*	2000	13.7	14
-10 # + 12#*	1700	28.2	28
-12 # + 20#*	850	31.3	31
-20 # + 230#*	63	10.3	10
- 230#		2.6	3

**SPECIFIC GRAVITY** : 4.0

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

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

**CHLORIDE** : 15.32 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.

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