



# INDIAN RARE EARTHS LIMITED

(A Govt of India Undertaking)

Plot no. 1207, EC TV Building, Veer Savarkar Marg, Prabhadevi, Mumbai - 400028

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## SPECIFICATIONS

### GARNET 'OR' COARSE GRADE (-30 + 60 Mesh)

#### GUARANTEED:

Garnet	97.00 % (Min)
Monazite	0.25 % (Max)
Particle size	
-30+60 mesh	90.0% (Min)
(-600+250 microns)	

#### TYPICAL MINERALOGICAL ANALYSIS:

Garnet	97.30 %
Ilmenite	1.3 %
Monazite	0.1 %
Rutile	0.1 %
Zircon	0.1 %
Sillimanite	0.2 %
Quartz	0.1 %
Others	0.8 %

#### SIEVE ANALYSIS (Typical): -

Mesh No	Sieve Openings in microns	Cumulative Weight % retained
+ 30	+600	2.10
-30 + 40	-600 +425	12.61
-40 + 60	-425 +250	92.66
-60 +80	-250 +180	98.64
-80 +100	-180 +150	99.60
-100 +140	-150 +106	99.85
-140	-106	100.00

**SPECIFIC GRAVITY** : 4.11

**BULK DENSITY** : 2.32 – 2.40 t/m<sup>3</sup>

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