

GARNET SPECIFICATIONS

GRADE: # 120

MINERAL COMPOSITION

MINERALS	Standard (%)
GARNET	MIN 96 %
ILMENITE	< 2.50 %
MONAZITE	< 0.25 %
OTHERS	< 1 %

PHYSICAL CHARACTERISTICS

Test Parameter	Standard	Typical (%)
Conductivity	Max 250 $\mu\text{s}/\text{cm}$	185 $\mu\text{s}/\text{cm}$ at 25.5°C
Chloride	Max 25 PPM	18 PPM
Hardness	Min 7 Moh Scale	7 Moh Scale
Moisture	Max 0.20%	0.14%
Total Suspended Solids	Max 2000 mg/l	1900 mg/l
Bulk Density	2.20 - 2.40 g/cm^3	2.34 g/cm^3

CHEMICAL COMPOSITION

Elements	Standard (%)	Typical (%)
SiO ₂	33.0 - 37.0 %	35.65
Al ₂ O ₃	19.0 - 22.0%	20.35
Fe ₂ O ₃	31.0 - 37.0%	36.22
MgO	3.0 - 8.0 %	3.34
CaO	1.0 - 3.0 %	2.50
TiO ₂	0.20 - 2.0 %	1.74

SIEVE ANALYSIS

Microns (MM)	Mesh	Standard (%)
0.180	+80	0.5 - 5.0
0.150	+100	10 - 20
0.125	+120	35 - 50
0.106	+140	25 - 35
PAN		8 - 15

Note: Garnet is a natural product. Variations in the grain size occur from time to time. The grain size distributions can be expected within the above ranges.

Maxworth Minerals India Pvt. Ltd.

Plot No. I, Phase II, Visakhapatnam Special Economic Zone, Duvvada, Visakhapatnam – 530046

Head Office: 37/1989, Bhattathiripad Road, Off Kaloor - Kadavanthara Road, Kaloor, Kochi - 682017, Kerala, India.