



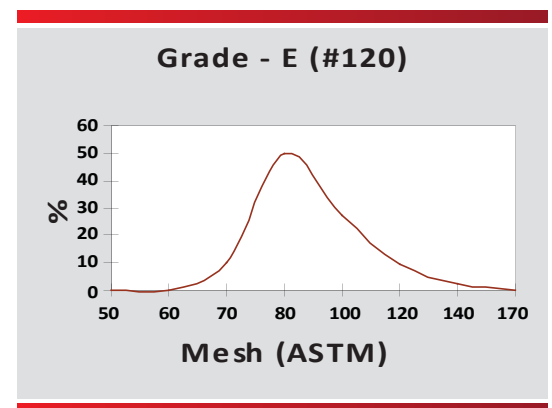
SUPER GARNET GRADE - E (#120)

V V MINERAL
LARGEST EXPORTER OF GARNET

VERSION: V 3.1

PARTICLE SIZE ANALYSIS REPORT

Mesh	MM	Retained %	
		Guaranteed	Typical
50	0.300	0 - 0.10	0.0
60	0.250	0 - 0.30	0.20
70	0.212	8 - 15	10.24
80	0.180	45 - 52	49.65
100	0.150	27 - 35	27.57
120	0.125	5 - 10	9.64
140	0.106	2 - 4	2.60
170	0.090	0.1 - 0.5	0.10



MINERALOGICAL REPORT

Minerals	Guaranteed	Typical
Garnet	Min 97.00 %	98.22 %
Ilmenite	Max 02.00 %	01.55 %
Others	Max 01.00 %	00.23 %

PHYSICAL PARAMETERS

Parameters	Guaranteed	Typical
Conductivity	Max 18 mS/m	13.28 mS/m
Chloride	Max 25 ppm	20.89 ppm
Specific gravity	3.9 - 4.3	4.10
Bulk density	2.10 - 2.70 g/cm ³	2.48 g/cm ³
Hardness	Min 7 moh scale	7 moh scale
Suspended Solid	Max 1500 mg/l	920 mg/l
Moisture	Max 0.30 %	0.18 %
Toxic substances	None	None

CHEMICAL CONTENT

Elements	Guaranteed	Typical
SiO ₂	33.0 - 37.0 %	34.84 %
Al ₂ O ₃	19.0 - 22.0 %	20.34 %
Fe ₂ O ₃	30.0 - 35.0 %	30.28 %
MgO	6.0 - 8.0 %	6.65 %
CaO	1.0 - 2.0 %	1.35 %
TiO ₂	3.0 - 6.0 %	5.08 %



* Garnet being a natural product, its analysis is expected to vary periodically and between deposits

Keerakarantattu, Tisaiyanvilai 627 657. Tirunelveli District, Tamil Nadu, India.

Tel: +91 4637 271302 / 271202 Fax: +91 4637 271802 Email: Sales@vmineral.com www.vmineral.com