



**MAXWORTH MINERALS INDIA PVT LTD
QUALITY CERTIFICATE**

Certificate No : MAX/QC/S005/21-22	Dated : 01.06.2021
P.O.No : Sample	Invoice No : ---
Customers Name : ---	Product Name : Garnet
Grade : # 100	Sample Qty : 100 gms

We here by certify that the garnet shipped for the sample Dtd: 01.06.2021 is having the following results from our lab analysis

Chemical Analysis		Sieve Analysis Report				
Elements	Actual (%)	MM	ASTM	Standard (%)	Actual (%)	Cumu (%)
SiO ₂	35.42	0.250	+60	0.10 - 1.0	0.58	0.58
Al ₂ O ₃	20.33	0.180	+80	10 - 25	20.90	21.48
Fe ₂ O ₃	36.13	0.150	+100	45 - 65	51.64	73.12
MgO	3.42	0.125	+120	20 - 30	22.06	95.18
CaO	2.09	PAN		5 -10	4.82	100.00
TiO ₂	1.98					

Mineral Composition		Physical Analysis	
Mineral	% by Weight	Test Parameter	Result
Garnet	97.20	Conductivity	165 µs/cm at 25.5°C
Ilmenite	2.00	Chloride	18 ppm
Others	0.80	Hardness	7 Moh Scale
		Moisture	0.13%
		Total Suspended Solids	1850 mg/l
		Bulk Density	2.34 g/cm ³

Sample Drawn By  Analyzed By  Authorised By 



Sample taken and sieve analysis under Reference of ISO 11127-2
 Chemical analysis have been determined by Wet analysis method
 Conductivity and moisture Analyzed by Meter
 Chloride content Analyze by Spectro Photometer

This results relates to the sample tested.

This certificate shall not be reproduced except in full, without written approval of the laboratory