



**MAXWORTH MINERALS INDIA PVT LTD**  
**QUALITY CERTIFICATE**

<b>Certificate No</b> : MAX/QC/S001/17-18	<b>Dated</b> : 03.04.2017
<b>P.O.No</b> : Sample	<b>Invoice No</b> : ---
<b>Customers Name</b> : ---	<b>Product Name</b> : Garnet
<b>Grade</b> : # 120	<b>Sample Qty</b> : 100 gms

We here by certify that the garnet shipped for the sample **Dtd: 03.04.2017** is having the following results from our lab analysis

Chemical Analysis		Sieve Analysis Report			
Elements	%	MM	ASTM	Actual (%)	Cumu (%)
SiO <sub>2</sub>	36.32	0.250	+60	0.10	0.10
Al <sub>2</sub> O <sub>3</sub>	21.12	0.180	+80	25.26	25.36
Fe <sub>2</sub> O <sub>3</sub>	31.18	0.150	+100	38.10	63.46
MgO	7.26	0.125	+120	30.16	93.62
CaO	1.52	0.106	PAN	6.38	100.00
TiO <sub>2</sub>	1.90				

Mineral Composition		Physical Analysis	
Mineral	% by Weight	Test	Result
Garnet	98.80	Conductivity	105 μs/cm at 25.5°C
Ilmenite	0.90	Chloride	18 ppm
Others	0.30	Hardness	7 Moh Scale
		Moisture	0.12%
		Total Suspended Solids	2590 mg/l
		Density	2.3 gm/cm <sup>3</sup>

<b>Sample Drawn By</b>	<b>Authorized By</b>
<b>Analyzed By</b>	

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