

## Technical Data Sheet - Olivine Sand Coarse Grade

Chemical Analysis	
Elements	%
SiO <sub>2</sub>	36.81
Al <sub>2</sub> O <sub>3</sub>	0.66
Fe <sub>2</sub> O <sub>3</sub>	11.14
MgO	42.32
CaO	1.15

Sieve Analysis Report			
Micron	Mesh	Range %	Typical %
0.600	+30	20- 25 %	23.43
0.425	+40	30 - 40%	35.96
0.300	+50	20 - 25%	20.61
0.250	+60	10 - 20%	15.46
0.180	+80	02 - 10%	3.28
	PAN	<2%	1.26

Identifications	
Mineral	% by Weight
Color	Yellow to Yellowish green
Crystal System	Rectangular Prism with rectangle base
Tenacity	Brittle
Cleavage	Poor

Physical Analysis	
Test	Result
Conductivity	Nil
Chloride	Nil
Hardness	6.5 to 7 Moh Scale
Moisture	0.22%
Free Silica	Minimal
Specific Gravity	3.0 - 3.4 g/cc
Density	3.33 gm/cm <sup>3</sup>

Sample taken and *sieve* analysis under Reference of ISO 11127-2 Chemical analysis have been determined by Wet analysis method

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As a natural product, garnet's composition is expected to vary periodically and between different deposits.

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