



# V.V. MINERAL

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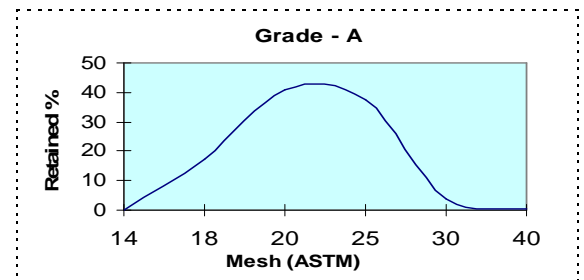
Version : V 3.5

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## GRADE - A (#12-25)

### Particle Size Analysis report

Mesh	MM	Retained %	
		Guaranteed %	Typical %
12	1.700	0.0	0.0
14	1.400	0 ~ 1	0.12
18	1.000	12 ~ 25	17.12
20	0.850	30 ~ 45	40.94
25	0.710	30 ~ 50	37.40
30	0.600	2 ~ 10	4.42



### Mineralogical report

Minerals	Guaranteed	Typical
Garnet	Min 99.50 %	99.94 %
Ilmenite	Max 00.40 %	00.04 %
Others	Max 00.10 %	00.02 %

### Physical Parameters

Parameters	Guaranteed	Typical
Conductivity	Max 15.0 mS/m	9.14mS/m
Chloride	Max 25 ppm	17.40 ppm
Specific gravity	3.9 ~ 4.3	4.10
Bulk density	2.1 ~ 2.7 g/cm <sup>3</sup>	2.42 g/cm <sup>3</sup>
Hardness	Min 7 moh scale	7.5 moh scale
Toxic substances	None	None
Suspended Solid	Max 1500 mg/l	770 mg/l
Moisture	Max 0.25 %	0.10 %

### Chemical Content

Elements	Guaranteed	Typical
SiO <sub>2</sub>	33.0 ~ 38.0 %	36.46 %
Al <sub>2</sub> O <sub>3</sub>	19.0 ~ 22.0 %	20.24 %
Fe <sub>2</sub> O <sub>3</sub>	30.0 ~ 35.0 %	32.44 %
MgO	6.0 ~ 8.0 %	6.52 %
CaO	1.0 ~ 2.0 %	1.34 %
TiO <sub>2</sub>	0.1 ~ 1.0 %	0.62 %

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