



# V.V. MINERAL

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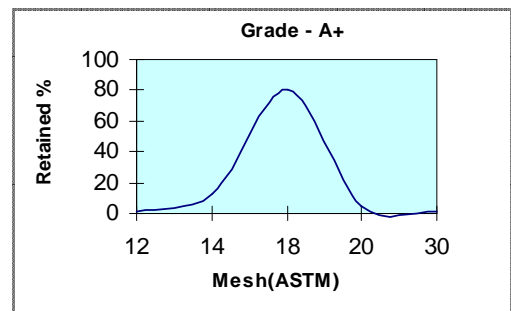
Version : V 3.5

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## GRADE - A + (#12-20)

### Particle Size Analysis report

Mesh	MM	Retained %	
		Guaranteed	Typical
12	1.700	< 3	1.20
14	1.400	10 ~ 21	12.90
18	1.000	70 ~ 85	80.44
20	0.850	0 ~ 7	4.28
30	0.600	< 3	1.18



### Mineralogical report

Minerals	Guaranteed	Typical
Garnet	Min 99.50 %	99.96 %
Ilmenite	Max 00.40 %	00.02 %
Others	Max 00.10 %	00.02 %

### Physical Parameters

Parameters	Guaranteed	Typical
Conductivity	Max 15.0 mS/m	8.40 mS/m
Chloride	Max 25 ppm	16.20 ppm
Specific gravity	3.9 ~ 4.30	4.15
Bulk density	2.3 ~ 2.70 g/cm <sup>3</sup>	2.49 g/cm <sup>3</sup>
Hardness	Min 7 moh scale	7.5 moh scale
Suspended Solid	Max 1500 mg/l	710 mg/l
Moisture	Max 0.25 %	0.08 %
Toxic substances	None	None

### Chemical Content

Elements	Guaranteed	Typical
SiO <sub>2</sub>	33.0 ~ 38.0 %	36.66 %
Al <sub>2</sub> O <sub>3</sub>	19.0 ~ 22.0 %	20.34 %
Fe <sub>2</sub> O <sub>3</sub>	30.0 ~ 35.0 %	31.48 %
MgO	6.0 ~ 8.0 %	6.28 %
CaO	1.0 ~ 2.0 %	1.36 %
TiO <sub>2</sub>	0.1 ~ 1.0 %	0.44 %

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