



V.V. MINERAL

17/C Keeraikaranthattu, Tisaiyanvillai.
Tamil Nadu. 627657. India.

Ph : +91 4637 272361/ 362 Ext.104/108

Fax : +91 4637 272802

Email: sales@vvmineral.com

Web site: www.vvmineral.com

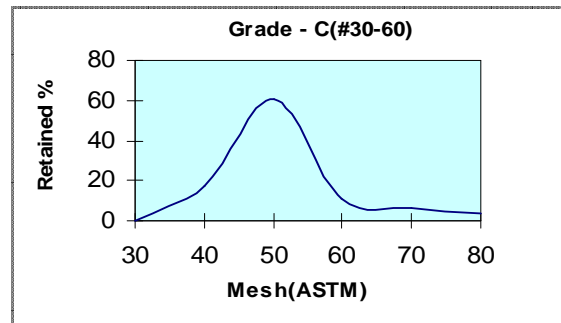
GRADE - C (#30-60)

Version : V3.5

Revision Date: 01.01.2015

Particle Size Analysis report

| Mesh | MM | Retained % | |
|------|-------|--------------|-----------|
| | | Guaranteed % | Typical % |
| 30 | 0.600 | < 2 | 0.40 |
| 40 | 0.425 | 12 ~ 22 | 17.54 |
| 50 | 0.300 | 45 ~ 65 | 59.44 |
| 60 | 0.250 | 5 ~ 20 | 12.40 |
| 70 | 0.212 | 0 ~ 10 | 6.80 |
| 80 | 0.180 | < 5 | 3.42 |



Mineralogical report

| Minerals | Guaranteed | Typical |
|----------|-------------|---------|
| Garnet | Min 98.50 % | 98.90 % |
| Ilmenite | Max 01.00 % | 00.80 % |
| Others | Max 00.50 % | 00.30 % |

Physical Parameters

| Parameters | Guaranteed | Typical |
|------------------|-----------------------------|------------------------|
| Conductivity | Max 15 mS/m | 11.80 mS/m |
| Chloride | Max 25 ppm | 21.64 ppm |
| Specific gravity | 3.9 ~ 4.3 | 4.12 |
| Bulk density | 2.1 ~ 2.7 g/cm ³ | 2.44 g/cm ³ |
| Hardness | Min 7 moh scale | 7.5 moh scale |
| Toxic substances | None | None |
| Suspended Solid | Max 1500 mg/l | 880 mg/l |
| Moisture | Max 0.25 % | 0.12 % |

Chemical Content

| Elements | Guaranteed | Typical |
|--------------------------------|---------------|---------|
| SiO ₂ | 33.0 ~ 38.0 % | 35.40 % |
| Al ₂ O ₃ | 19.0 ~ 22.0 % | 20.30 % |
| Fe ₂ O ₃ | 30 ~ 35.0 % | 31.48 % |
| MgO | 6.0 ~ 8.0 % | 6.87 % |
| CaO | 1.0 ~ 2.0 % | 1.25 % |
| TiO ₂ | 0 ~ 3.0 % | 1.78 % |

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