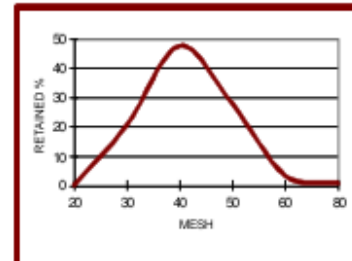


# INDO GARNET

**GRADE : # 20/60**

## SIEVE ANALYSIS

| Mesh | Micron | Retained % |        |
|------|--------|------------|--------|
|      |        | Spec       | Actual |
| 20   | 850    | 0 - 5      | 0.21   |
| 30   | 600    | 10 - 25    | 20.39  |
| 40   | 425    | 25 - 50    | 47.40  |
| 50   | 300    | 25 - 45    | 27.73  |
| 60   | 250    | 0 - 15     | 3.47   |
| 80   | 180    | 0 - 5      | 0.80   |



## MINERAL COMPOSITION

| Minerals | Specification (%) | Actual (%) |
|----------|-------------------|------------|
| Garnet   | Min 98.00         | 99.64      |
| Ilmenite | Max 01.00         | 00.07      |
| Others   | Max 01.00         | 00.29      |

## PHYSICAL CHARACTERISTICS

| Minerals         | Specification               | Actual                 |
|------------------|-----------------------------|------------------------|
| Specific Gravity | 4.0 - 4.3                   | 4.10                   |
| Conductivity     | Max 150 $\mu$ s/cm          | 57.10 $\mu$ s/cm       |
| Chloride         | Max 25ppm                   | 7.31 ppm               |
| Hardness         | Min 7 Moh's Scale           | > 7 Moh's Scale        |
| Bulk Density     | 2.0 - 2.7 g/cm <sup>3</sup> | 2.41 g/cm <sup>3</sup> |
| Suspended Solids | Max 1500 mg/l               | 1210 mg/l              |

## CHEMICAL COMPOSITION

| Elements                       | Specification (%) | Actual (%) |
|--------------------------------|-------------------|------------|
| SiO <sub>2</sub>               | 32 - 40           | 35.80      |
| Al <sub>2</sub> O <sub>3</sub> | 18 - 24           | 21.26      |
| Fe <sub>2</sub> O <sub>3</sub> | 28 - 35           | 33.40      |
| MgO                            | 5 - 9             | 6.32       |
| CaO                            | 1 - 3             | 1.20       |
| TiO <sub>2</sub>               | 1 - 2             | 1.46       |
| Others                         | 0 - 3             | 0.56       |

Manufactured by:



**TRANSWORLD  
GARNET**  
INDIA PVT. LTD.

MAKING OUR ENVIRONMENT CLEARER

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