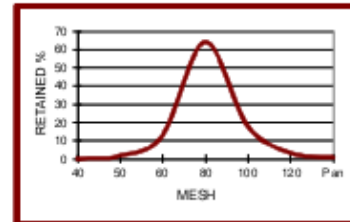


# INDO GARNET

**GRADE : # 80 ECJ**

## SIEVE ANALYSIS

| Mesh | Micron | Retained % |        |
|------|--------|------------|--------|
|      |        | Spec       | Actual |
| 50   | 300    | 0 - 5      | 1.55   |
| 60   | 250    | 5 - 20     | 12.67  |
| 80   | 180    | 50 - 80    | 63.90  |
| 100  | 150    | 10 - 30    | 18.05  |
| Pan  | - 150  | 0 - 10     | 3.83   |



## MINERAL COMPOSITION

| Minerals | Specification (%) | Actual (%) |
|----------|-------------------|------------|
| Garnet   | Min 95.00         | 99.09      |
| Ilmenite | Max 03.00         | 00.47      |
| Others   | Max 02.00         | 00.44      |

## PHYSICAL CHARACTERISTICS

| Minerals         | Specification               | Actual                 |
|------------------|-----------------------------|------------------------|
| Specific Gravity | 4.0 - 4.3                   | 4.1                    |
| Conductivity     | Max 250 $\mu$ s/cm          | 68.37 $\mu$ s/cm       |
| Chloride         | Max 25ppm                   | 9.78 ppm               |
| Hardness         | Min 7 Moh's Scale           | > 7 Moh's Scale        |
| Bulk Density     | 2.0 - 2.7 g/cm <sup>3</sup> | 2.42 g/cm <sup>3</sup> |
| Suspended Solids | Max 1500 mg/l               | 1160 mg/l              |

## CHEMICAL COMPOSITION

| Elements                       | Specification (%) | Actual (%) |
|--------------------------------|-------------------|------------|
| SiO <sub>2</sub>               | 32 - 40           | 35.00      |
| Al <sub>2</sub> O <sub>3</sub> | 18 - 24           | 20.76      |
| Fe <sub>2</sub> O <sub>3</sub> | 28 - 35           | 33.06      |
| MgO                            | 5 - 9             | 6.32       |
| CaO                            | 1 - 3             | 1.26       |
| TiO <sub>2</sub>               | 1 - 4             | 2.80       |
| Others                         | 0 - 3             | 0.80       |

Manufactured by :



**TRANSWORLD  
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