

**PRODUCT: ManCal 1145**

**DESCRIPTION :**

A product of high degree of whiteness produced from selected natural finest microcrystalline rhombohedra Calcium Carbonate .

Very low oil absorption, easily dispersible, imparting good theological properties. It is used throughout the range of water and solvent based paints for both interior and exterior applications.

**CHEMICAL ANALYSIS  
of The RAW MATERIAL:**

|                                |        |                                  |       |
|--------------------------------|--------|----------------------------------|-------|
| CaCO <sub>3</sub> ≥            | 99.3 % | MgO ≤                            | 0.08% |
| SiO <sub>2</sub> ≤             | 00.06% | Fe <sub>2</sub> O <sub>3</sub> ≤ | 0.01% |
| HCl insoluble content ≤ 0.09 % |        |                                  |       |

**PHYSICAL PROPERTIES  
OF THE RAW MATERIAL:**

|                               |             |                        |                        |
|-------------------------------|-------------|------------------------|------------------------|
| TOP CUT 98%:                  | 45.00 ± 10μ | Density ( ISO 787/10)  | 2.7g/ml                |
| Bulk density ( ISO 787/11)    | 1.18 g/ml   | Hardness (Mohs)        | 3                      |
| Abrasion (ES269)              | 10.5 mg     | Specific surface (BET) | 3.22 m <sup>2</sup> /g |
| Water Absorption              | 25.3 g/100g | Oil Absorption         | 20.0g/100g             |
| Moisture content ( ISO 782/2) | ≤ 0.17 %    | pH( ISO 787/9)         | 9                      |

**OPTICAL PROPERTIES :**

|                   |          |
|-------------------|----------|
| LAB,<br>Scan      |          |
| L* = 95.2a* = 0.2 | b* = 1.4 |
| Yellow index 2.6  |          |

**APPLICATIONS:**

Remineralization sea water