

PRODUCT: ManCal 315

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 rheological 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 ₃ ≥	99.3 %	MgO ≤	0.08%
SiO ₂ ≤	00.06%	Fe ₂ O ₃ ≤	0.01%
HCl insoluble content ≤ 0.09 %			

PHYSICAL PROPERTIES OF THE RAW MATERIAL:

Density (ISO 787/10)	2.7g/ml
Hardness (Mohs)	3

TOP CUT: d97(CILAS)	15.00μ ± 1μ	Median Size: d50 (CILAS)	3.00μ ± 0.5μ
Bulk density (ISO 787/11)	1.18 g/ml	Specific surface (BET)	3.22 m ² /g
Abrasion (ES269)	10.5 mg	Oil Absorption	20.0g/100g
Water Absorption	25.3 g/100g	pH(ISO 787/9)	9
Moisture content (ISO 782/2)	≤ 0.17 %		

OPTICAL PROPERTIES :

LAB, Scan	
L* = 95.2a* = 0.2	b* = 1.4
Yellow index 2.6	

APPLICATIONS:

- Paints : Emulsion paints, Alkyd paints
- Plastics: Rigid and plasticized PVC, injection molding,
- Paper : coated paper, wall paper, and Adhesives

