



## PRODUCT: ***IOKAL ULTRA FINE***

### DESCRIPTION:

Produced by processing natural finest microcrystalline Calcium Carbonate. In process mixing of high purity selected chalk deposits results in an extremely fine and white product. It 's exceptional brightness, fineness of grind, low oil absorption and cost offers the formulator an important opacifying extender for matt latex paints. Easily dispersible high gloss and gloss retention, very good weatherability and excellent rheological properties. Addition of ***IOKAL ULTRA FINE*** in a formula results in TiO<sub>2</sub> consumption reduction.

**CHEMICAL ANALYSIS:** CaCO<sub>3</sub> ≥ 99.0 % MgO ≤ 0.15 %  
SiO<sub>2</sub> ≤ 0.05 % Fe<sub>2</sub>O<sub>3</sub> ≤ 0.01 %  
HCl insoluble content ≤ 0.1 %

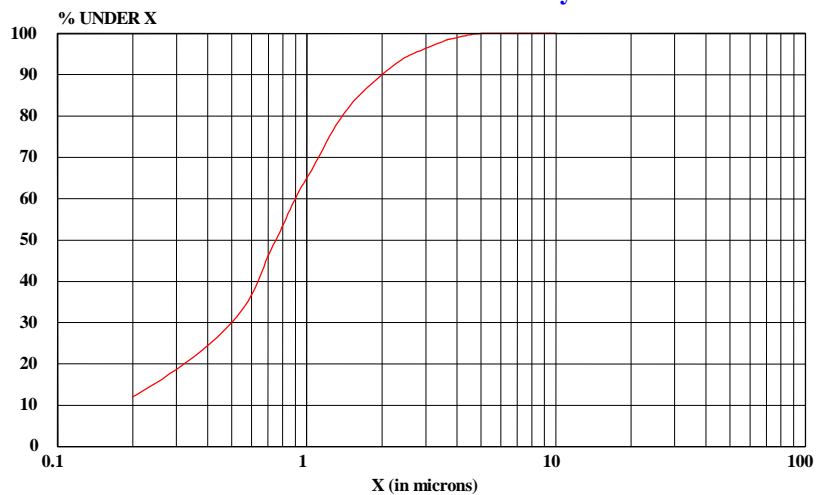
**PHYSICAL PROPERTIES OF THE RAW MATERIAL:** Density (ISO 787/10) 2.7 g/ml  
Hardness (Mohs) 2.5

### PHYSICAL PROPERTIES OF THE PRODUCT:

#### Particle Size Distribution Checked by SEDIGRAPH 5100

Checked by  
Sedigraph 5100  
Top cut: D98 3.5µm  
D90 2.0µm  
Median size: D50 0.75µm

Dry Sieving Test  
(ALPINE)  
>40µm max 0.01%



Bulk density (ISO 787/11) 0.65 g/ml  
Specific Surface (BET) 5.3 m<sup>2</sup>/g  
Abrasion (Einlehner) 2.3 mg  
Oil Absorption 22 g/100g  
Water Absorption 32 g/100g  
pH (ISO 787/9) 9  
Moisture content (ISO 782/2) ≤ 0.3 %

**OPTICAL PROPERTIES:** DataColorSF600+(d 8°;C 2°)-DorfnerPress: 2.5bar

Y ≥ 96 %  
L\* : 98.5  
a\* : 0.05  
b\* : 1.0

**APPLICATIONS:** Paints : Emulsion paints, alkyd paints  
Paper : Coated paper, wallpaper  
Plastics : PVC extrusion rigid & plastisized, injection moulding, calendared sheets, coatings  
Rubber, Adhesives

The above values are based on measurements carried out according to our quality assurance system and thus must not be considered as guaranteed

**IONIAN KALK S.A.**

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