



**PRODUCT: IOKAL TYP 5C**

**DESCRIPTION:** Produced by processing natural finest microcrystalline Calcium Carbonate. In process mixing of high purity selected chalk deposits results in a very fine and white product. Its exceptional brightness, finesse 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.

**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 ≤ 0.1 %

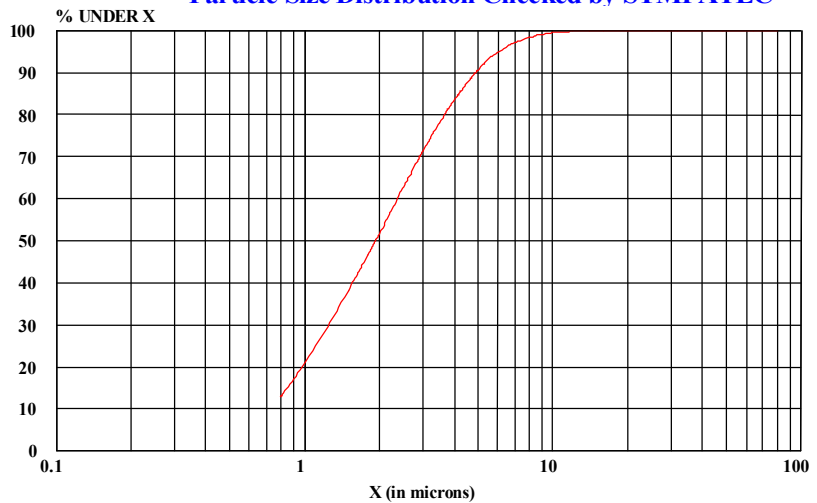
**PHYSICAL PROPERTIES OF THE RAW MATERIAL:** Density (ISO 787/10) 2.7 g/ml  
Hardness (Mohs) 2.5

**PHYSICAL PROPERTIES OF THE PRODUCT:**

**Particle Size Distribution Checked by SYMPATEC**

Checked by  
SYMPATEC (100mm)  
Top cut: D97 7.0µm  
Median size: D50 1.9µm

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



Bulk density (ISO 787/11) 0.85 g/ml  
Specific Surface (BET) 3.4 m<sup>2</sup>/g  
Abrasion (Einlehner) 4.2 mg  
Oil Absorption 18 g/100g  
Water Absorption 26 g/100g  
pH (ISO 787/9) 9  
Moisture content (ISO 782/2) ≤ 0.2 %

**OPTICAL PROPERTIES:** DataColor SF600+ (d8°; C2°)-DorfnerPress: 2.5bar  
Y ≥ 95.5 %  
L\* : 98.5  
a\* : 0.05  
b\* : 1.2

**APPLICATIONS:** Paints: Emulsion paints, alkyd paints  
Plastics: Rigid & Plasticided PVC, Injection moulding, Calendered sheets, Coatings  
Paper: Coated paper, Wallpaper  
Rubber, Adhesives

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