58000  Chalk from Champagne, France

Description of the Product:  Natural, fine calcium carbonate in powder form, prepared from the pure, microcrystalline chalk from champagne.

Chemical analysis of the raw material

\[ \begin{align*}
\text{CaCO}_3 & \quad 98 \% \\
\text{MgCO}_2 & \quad 0.5 \% \\
\text{Fe}_2\text{O}_3 & \quad 0.2 \% \\
\text{HCl, insoluble} & \quad 1.2 \% \\
\end{align*} \]

Specific product properties:  

- **Fineness**
  - Screen oversize 45 µm (ISO 787/7) 0.15 %
  - Upper cut (D98%) 20 µm
  - Middle particle diameter (D50%) 2.4 µm
  - Particle percentage < 2 µm 42 %

- **Degree of whiteness**
  - Light intensity (Ry, C/2, DIN 53163) 84.5 %
  - Light intensity, Tappi (R457, ISO 2469) 79.5 %

- **Humidity ex works** (ISO 787/2) 0.2 %

General product properties:  

- Density of the material (ISO 787/10) 2.7 g/ml
- Stamp density (ISO 787/11) 1.1 g/ml
- pH Value (ISO 787/9) 9
- Oil Value (ISO 787/5) 17 g/100 g
- DOP Value (ISO 787/5) 24 g/100 g

Applications

- Paints/Varnishes
- Dispersion paints (interior)
- Distempers
- Fillers
- Caulking compounds
- Linseed oil lute

Further Applications:  Agro-chemistry, ceramics, adhesive agents