



# TECHNICAL DATA SHEET

## TALC POWDER

TALC-PWDR

### General Properties

Talc powder from MAYN is a natural product that is extracted from the quarries in Egypt. It is crushed, ground, and classified into various categories according to the industry's requirements. With high purity, and high whiteness, sieves are used to provide the desired particle size distribution. It is used in paper, paints, coatings, plastics, and ceramics industries.

### Chemical Composition

| IUPAC Name           | Chemical Formula               | Weight (%) |
|----------------------|--------------------------------|------------|
| Silicon dioxide      | SiO <sub>2</sub>               | 60.0%      |
| Magnesium oxide      | MgO                            | 30.0%      |
| Calcium oxide        | CaO                            | 2.50%      |
| Iron (III) oxide     | Fe <sub>2</sub> O <sub>3</sub> | 1.50%      |
| Aluminum oxide       | Al <sub>2</sub> O <sub>3</sub> | 1.00%      |
| Phosphorus pentoxide | P <sub>2</sub> O <sub>5</sub>  | 0.02%      |
| Sodium oxide         | Na <sub>2</sub> O              | 0.01%      |
| Potassium oxide      | K <sub>2</sub> O               | 0.01%      |
| Titanium dioxide     | TiO <sub>2</sub>               | 0.01%      |
| Loss in Ignition     | L.O.I.                         | 5.00%      |

| Physical Properties |                        |
|---------------------|------------------------|
| Specific gravity    | 0.55 g/cm <sup>3</sup> |
| Bulk density        | 2.5 g/cm <sup>3</sup>  |
| Whiteness           | > 88%                  |
| Oil absorption      | 40                     |
| Hardness (Moh's)    | 1                      |
| PH                  | 7.2%                   |
| Moisture content    | 0.4%                   |
| Chlorite            | 12%                    |
| Carbonate           | 4%                     |
| Asbestos            | Nil                    |
| D (97)              | 25 µm (Micron)         |

| Type of Packing |
|-----------------|
| PP BAGS 25 KG   |

Talc powder is a prepared natural product. All data are approximate values and do not represent any warranty

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**MAYN**

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