

## DATA SHEET

# LUZENAC PHARMA M

INCI name : talc  
 CAS n°14807-96-6  
 EINECS n°238-877-9  
 CI : 77 718

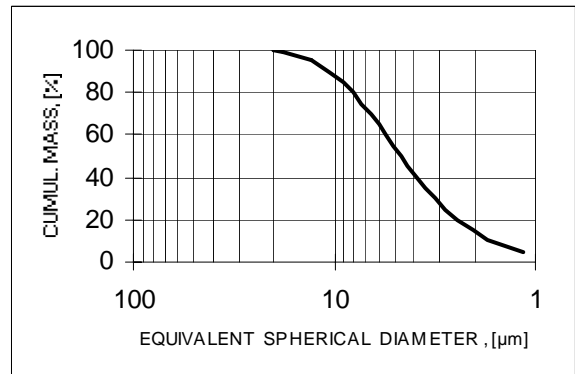
Luzenac Pharma M is a micronised talc from one of Luzenac Group's European deposits. It is bacteria controlled and complies with European, US and Japanese Pharmacopoeia specifications.

Luzenac Pharma M is an excipient ideal for use in pharmaceutical applications as a lubricant. It is also recommended in cosmetics for its spreadability, smoothness, optical properties and perfume retention.

### PARTICLE SIZE DISTRIBUTION

Hegmann fineness  
 Sedigraph 5100  
 Average diameter : 4.7  $\mu\text{m}$   
 < 13.1 : 95 %  
 < 7.3 : 75 %  
 < 4.7 : 50 %  
 < 2.8 : 25 %

Grind gauge.....< 20 $\mu\text{m}$



### PHYSICAL PROPERTIES

ISO 787/11  
 DIN 53468  
 ISO 787/10  
 BET, Ar  
 ISO 787/2

Tapped bulk density .....0.63 g/cm<sup>3</sup>  
 Loose bulk density.....0.28 g/cm<sup>3</sup>  
 Specific density.....2.8  
 Specific surface area.....4.6m<sup>2</sup>/g  
 Moisture (105°C) .....< 0.2%  
 Oil absorption ..... 45 ml/100 g

### WHITENESS

Minolta CR300  
 Illuminant D65/2°

Y ..... 92.5

### PHARMACOPOEIA

- EUROPEAN
- US
- JAPANESE

Talc monograph 01/2002:0438 Compliant (see over)  
 Talc monograph USP 25 Compliant (see over)  
 Talc monograph 14 Compliant (see over)

**EUROPEAN  
PHARMACOPOEIA**

Talc monograph 01/2002:0438

Identification (IR-FT)..... talc  
pH..... 7.0 - 9.0  
Water soluble substances ..... < 0.2%  
Aluminium..... < 2%  
Calcium ..... < 0.9%  
Acid soluble iron ..... < 0.25%  
Magnesium ..... 17.0 - 19.5%  
Acid soluble lead ..... < 10 ppm  
Loss on ignition (1050°C-1100°C)..... < 7%  
Microbiology (CFU/g)  
    Applicability..... Topical, oral administration  
    Total aerobic + fungi..... < 100

**US PHARMACOPOEIA**

Talc monograph USP 25

Identification .....compliant  
Microbiology .....≤ 500 CFU/g  
Loss on ignition.....≤ 6.5%  
Acid soluble substances .....≤ 2.0%  
Water soluble substances .....≤ 0.1%  
Water-soluble iron .....compliant  
Arsenic .....≤ 3 ppm  
Heavy metals.....≤ 40 ppm  
Lead.....≤ 10 ppm

**JAPANESE  
PHARMACOPOEIA**

Talc monograph 14

Identification .....compliant  
Loss on drying (450-550°C) .....≤ 5%  
Acid soluble substances .....≤ 2.0%  
Water soluble substances .....≤ 4 mg  
Water-soluble iron .....compliant  
Arsenic .....≤ 4 ppm  
Storage.....compliant