



Mon-Droguiste.Com
 39 Bis Rue Du Moulin Rouge
 10150 Charmont Sous Barbuise
 Tél : +33.(0)3.25.41.04.05
 Email : contact@mon-droguiste.com
 Web : www.mon-droguiste.com

Technical data sheet

Talc PHARMA-S

In compliance with USP – EP

Mineralogy – XRD

Sheet-silicates	Talc	99 %
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Purity:

Water soluble substances	<0.1 %
Acid soluble substances	<2.0 %

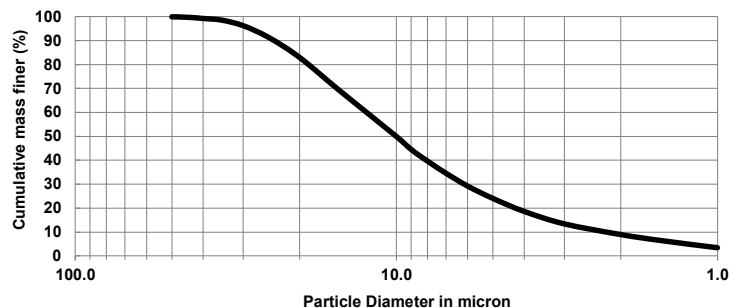
Chromatic coordinates

L* (CIE)	M.I. 93002	95.5
a* (CIE)	M.I. 93002	0.1
b* (CIE)	M.I. 93002	2.5
Y	M.I. 93002	89.0

Particle Size Distribution

Sedimentation analysis - Sedigraph 5120

Median diameter D ₅₀	10.0 μm
Thru 325 mesh (44 μm)	90.0%
Thru 200 mesh (75 μm)	99.0%



Physical Properties

Density	DIN 53193	2.8 g/cm ³
Loose bulk density	M.I. 98028	0.36 g/cm ³
Tapped bulk density	M.I. 93003	0.90 g/cm ³
Hardness	Mohs scale	1
Specific Surface (B.E.T.)	DIN 66131/2	3.5 m ² /g
Oil absorption	ISO 787/5	52 g/100 g
Moisture content at 105 °C	M.I. 93005	0.2 %

Chemical analyses - A.A.S.

SiO ₂		62.0 %
MgO		32.0 %
CaO		0.2 %
Fe ₂ O ₃		0.2 %
Al ₂ O ₃		0.1 %
Loss on Ignition at 1075°C	M.I. 93009	5.5 %

Microbiological analysis

Total aerobic plate count including yeast and mold <100 per gram. Gram negative plate count not detected.