Technical data sheet

Talc

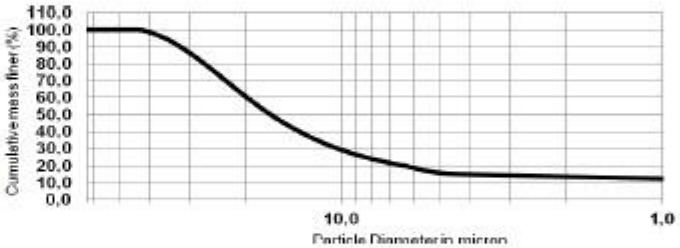
In compliance with USP – EP – JP

Mineralogy – XRD		
Sheet-silicates	Talc	99 %
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/cm³
Loose bulk density	Scott volumeter	0.36 g/cm³
Tapped bulk density	M.I. 93003	0.90 g/cm³
Hardness	Mohs scale	1
Specific Surface (B.E.T.)	DIN 66131/2	3.5 m²/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_2O_3		0.2 %
Al_2O_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.