



Talc 114

Technical data sheet

In compliance with USP – EP - JP

Mineralogy – XRD

Sheet-silicates Talc 98 %

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 -0.3

b* (CIE) M.I. 93002 0.7

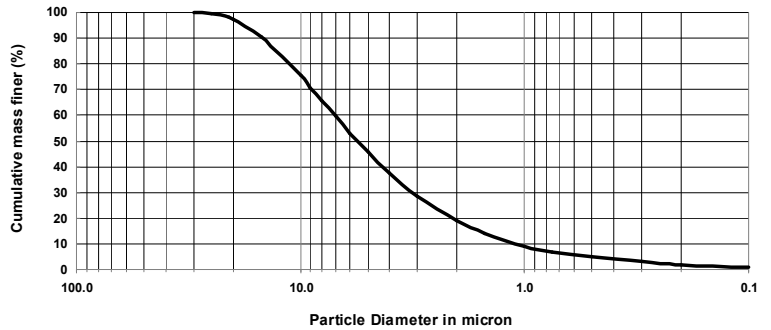
Y M.I. 93002 89.0

Particle Size Distribution

Sedimentation analysis - Sedigraph 5120

Median diameter D₅₀ 5.5 μm

Thru 325 mesh (44 μm) sieve 99 %



Physical Properties

Density DIN 53193 2.8 g/cm³

Loose bulk density M.I. 98028 22 lb/ft³

Tapped bulk density M.I. 93003 56 lb/ft³

Hardness Mohs scale 1

Specific Surface (B.E.T.) DIN 66131/2 6 m²/g

Moisture content at 105 °C M.I. 93005 0.2 %

Chemical analyses - A.A.S.

SiO₂ 61.5 %

MgO 31.0 %

CaO 0.4 %

Fe₂O₃ 0.6 %

Al₂O₃ 0.5 %

Loss on Ignition at 1075°C M.I. 93009 6.0 %

Microbiological analysis

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

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