Technical data sheet

In compliance with USP – EP - JP

Mineralogy – XRD

Sheet-silicates

Talc 98 %

Acidity / Alkalinity

Hydrochloric Acid <0.4 ml
Sodium Hydroxide <0.3 ml

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 $D_{50}$ 5.5 µm
Thru 325 mesh (44 µm) sieve 99 %

Physical Properties

Density DIN 53193 2.8 g/cm$^3$
Loose bulk density M.I. 98028 22 lb/ft$^3$
Tapped bulk density M.I. 93003 56 lb/ft$^3$
Hardness Mohs scale 1
Specific Surface (B.E.T.) DIN 66131/2 6 m$^2$/g
Moisture content at 105 °C M.I. 93005 0.2 %

Chemical analyses - A.A.S.

SiO$_2$ 61.5 %
MgO 31.0 %
CaO 0.4 %
Fe$_2$O$_3$ 0.6 %
Al$_2$O$_3$ 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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