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# Technical data sheet

# Talc 1656

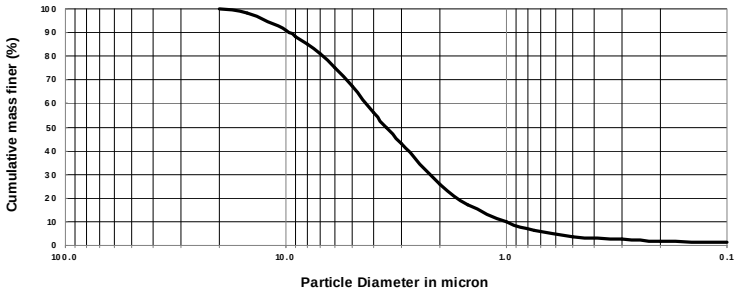
**In compliance with USP – EP - JP**

| | | |
|---|---|---|
| **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 | 96.0 |
| a* (CIE) | M.I. 93002 | -0.2 |
| b* (CIE) | M.I. 93002 | 0.6 |
| Y | M.I. 93002 | 90.0 |

**Particle Size Distribution**

Sedimentation analysis - Sedigraph 5120

| | | |
|---|---|---|
| Median diameter | $D_{50}$ | 3.5 µm |
| Thru 325 mesh (44 µm) sieve | | 99.9 % |




| | | |
|---|---|---|
| **Physical Properties** | | |
| Density | DIN 53193 | 2.8 g/cm³ |
| Loose bulk density | M.I. 98028 | 16 lb/ft³ |
| Tapped bulk density | M.I. 93003 | 42 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.** | | |
| $SiO_2$ | | 61.5 % |
| MgO | | 31.0 % |
| CaO | | 0.4 % |
| $Fe_2O_3$ | | 0.6 % |
| $Al_2O_3$ | | 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.



April 2013