

## MATERIAL SPECIFICATION

Producer: HOFFMANN MINERAL GmbH  
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Commercial product name: **SILLITIN Z 86 puriss**

Chemical analysis: SiO<sub>2</sub> – Al<sub>2</sub> [(OH)<sub>4</sub>Si<sub>2</sub>O<sub>5</sub>] mixture  
silica kaolinite

Delivery form: Powder

Storage stability: unlimited

| Characteristics  | Test method  | Based on                  | Specification               |
|--|--------------|---------------------------|-----------------------------|
| Brightness Y   | UGR-PV/PT/69 | DIN 53 163                | 80.0 – 83.0                 |
| Residue > 40 µm<br>> 200 µm                                      | UGR-PV/PT/43 | DIN EN ISO 787<br>part 18 | ≤ 10 [mg/kg]<br>≤ 1 [mg/kg] |
| pH-value   | UGR-PV/PT/61 | DIN EN ISO 787<br>part 9  | 7.0 – 9.2                   |
| Volatile matter<br>at 105 °C<br>RT 20°C / RH 50 %                | UGR-PV/PT/41 | DIN EN ISO 787<br>part 2  | ≤ 0.8 [%]                   |
| Electrical conductivity  | UGR-PV/PT/57 | DIN EN ISO 787<br>part 14 | ≤ 100 [µS/cm]               |
| Particle size distribution<br>d <sub>50</sub><br>d <sub>97</sub> | UGR-PV/PT/72 | ISO 13320                 | ≤ 2.4 [µm]<br>≤ 10.5 [µm]   |
| Air-jet screening method   | UGR-PV/PT/84 | DIN EN ISO 4610           | ≤ 0.3 [%]                   |

Contact person:



QA / Dirk Schröder

Approved by:



Head of R&D, QM / Dr. Christian Seeger