

MATERIAL SPECIFICATION

Producer: HOFFMANN MINERAL GmbH
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Commercial product name: **SILLITIN Z 89**

Chemical analysis: SiO₂ – Al₂ [(OH)₄Si₂O₅] mixture
 silica kaolinite

Delivery form: Powder

Storage stability: unlimited

| Characteristics | Test method | Based on | Specification |
|--|--------------|------------------------|---------------|
| Brightness Y | UGR-PV/PT 69 | DIN 53 163 | 83.5 – 88.0 |
| Residue > 40 µm | UGR-PV/PT 43 | DIN ISO 787 part 18 | ≤ 60 [mg/kg] |
| > 200 µm | | | ≤ 10 [mg/kg] |
| pH-value | UGR-PV/PT 61 | DIN ISO 787 part 9 | 7.0 – 9.2 |
| Volatile matter at 105 °C RT 20°C / RH 50 % | UGR-PV/PT 41 | DIN ISO 787 part 2 | ≤ 0.8 [%] |
| Electrical conductivity | UGR-PV/PT 57 | DIN ISO 787 part 14 | ≤ 100 [µS] |
| Particle size distribution d ₅₀ d ₉₇ | UGR-PV/PT 72 | | ≤ 2.4 [µm] |
| | | | ≤ 10.5 [µm] |
| Air-jet screening method | UGR-PV/PT 84 | DIN EN ISO 4610 | ≤ 0.3 [%] |

Issued by:

QA / Dirk Schröder

Approved by:

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