

MATERIAL SPECIFICATION

Producer: HOFFMANN MINERAL GmbH
P.O. Box 14 60 • D-86619 Neuburg (Donau)
Phone (+49-84 31) 53-0 • Fax (+49-84 31) 53-3 30
Internet: www.hoffmann-mineral.com
Email: info@hoffmann-mineral.com

Commercial product name: **AKTISIL Q**

Chemical analysis: SiO₂ – Al₂ [(OH)₄Si₂O₅] mixture
silica kaolinite
SILLITIN V 88 specially designed coated with methacryl silane

Delivery form: Powder

Storage stability: minimum 2 years

| Characteristics | Test method | Based on | Specification |
|---|--------------|------------------------|---------------|
| Brightness Y | UGR-PV/PT 69 | DIN 53 163 | 82.0 – 87.0 |
| Residue > 40 µm | UGR-PV/PT 43 | DIN ISO 787 part 18 | ≤ 100 [mg/kg] |
| > 200 µm | | | ≤ 20 [mg/kg] |
| Volatile matter at 105 °C RT 20°C / RH 50 % | UGR-PV/PT 41 | DIN ISO 787 part 2 | ≤ 0.4 [%] |
| Water content (Karl Fischer) | UGR-PV/PT 48 | DIN 51 777 | ≤ 0.4 [%] |
| Concentration of additive | Mass balance | | 2.0 [%] |
| Water absorption (Baumann) | UGR-PV/PT 42 | | ≤ 1.5 [%] |
| Air-jet screening method | UGR-PV/PT 84 | DIN EN ISO 4610 | ≤ 0.3 [%] |

Issued by:

QA / Dirk Schröder

Approved by:

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

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