

SIPERNAT® 25

Characteristic physico-chemical data*)

| Properties and test methods | Unit | Value |
|--|-------------------|---------|
| Specific surface area (N ₂) Multipoint following ISO 9277 | m ² /g | 160-220 |
| DOA absorption ¹⁾ following ISO/CD 19246 | ml / 100g | 240-280 |
| Loss on drying 2 h at 105°C according to JSSFA | % | ≤ 7.0 |
| pH value 5 % in water following ISO 787-9 | - | 4.5-7.5 |
| Sieve residue 45 µm spray following ISO 3262-19 | % | ≤ 0.3 |
| Conductivity 4 % in water following ISO 787-14 | µS/cm | ≤ 400 |
| Tamped density not sieved following ISO 787-11 | g/l | 125 |
| Loss on ignition 0.5 h at 1000°C according to JSSFA | % | ≤ 8.5 |
| SiO ₂ content according to JSSFA | % | ≥ 99.0 |
| Particle size, d ₅₀ , 100 µm cap. according to JSSFA | µm | ≤ 15.0 |
| Water soluble content according to JSSFA | % | ≤ 5.0 |
| As content as As ₂ O ₃ according to JSSFA | ppm | ≤ 1.5 |
| Al content as Al ₂ O ₃ according to JSSFA | % | ≤ 0.20 |
| Heavy Metals as Pb according to JSSFA | ppm | ≤ 5 |
| Confirms to the analyt. req. according to JSSFA | - | pass |
| Na content as Na ₂ O according to JSSFA | % | ≤ 0.20 |
| Fe content as Fe ₂ O ₃ according to JSSFA | mg/g | ≤ 0.50 |
| JSSFA | - | yes |

1) based on original substance

*) The given data are typical values. Specifications on request.

Registrations

SIPERNAT® 25

| | |
|--|-------------------------------|
| CAS-No. | 112926-00-8 (ex 7631-86-9) |
| REACH (Europe) | registered |
| TSCA (USA) AICS (Australia) DSL (Canada) | registered |
| PICCS (Philippines) IECSC (China) | registered |
| ENCS (Japan) | registered |
| KECI (Korea) | registered |
| NZIoC (New Zealand) | registered |

SIPERNAT® represents a specific product range of precipitated silica, aluminium and calcium silicates.

SIPERNAT® 25 is a highly pure fine particle sized silica.

Properties and applications

SIPERNAT® 25 is used as a flow aid and anticaking agent for powdered food ingredients. It meets the requirements of JSSFA (Japan's Specifications and Standards for Food Additives).

Safety and handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Operations, Product Safety Department, E-MAIL sds-im@evonik.com We recommend to read carefully the safety data sheet prior to the use of our product.

Packaging and storage

For details regarding our packaging options for this product, please contact your local sales representative.

Our silica products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. Therefore we recommend storing the products in sealed containers in a dry, cool place, and removed from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could lead to its exceeding the specified moisture content. For this reason, our recommended use-by date is 24 months after date of manufacture. Product more than 24 months old should be tested for moisture content before use in order to make certain that it is still suitable for the intended application.

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