

Product Information

SIPERNAT® 880

Characteristic physico-chemical data¹⁾

Properties and Test Methods	Units	Value
Specific surface area (N₂) Areometer following ISO 5794-1, Annex D	m ² /g	35
Mean particle size Multisizer, 100µm capillary following ASTM C 690	µm	8
Particle size, d₅₀ Laser diffraction following ISO 13320-1	µm	9
Tamped density not sieved following ISO 787-11	g/l	300
Loss on drying 2 h at 105°C following ISO 787-2	%	6
Loss on ignition²⁾ 2 h at 1000°C following ISO 3262-1	%	7
pH value 5% in water following ISO 787-9		10.5
DBP absorption²⁾ following DIN 53601	g/100g	185
SiO₂ content³⁾ following ISO 3262-19	%	91
Al content as Al₂O₃³⁾ following ISO 3262-18	%	0.2
Ca content as CaO³⁾ following ISO 3262-17	%	6
Na content as Na₂O³⁾ following ISO 3262-18	%	2
Fe content as Fe₂O₃³⁾ following ISO 5794-1, Annex C	%	0.03
Chlorid content¹⁾ Degussa method	%	0.8
Sieve residue 45µm Mocker following ISO 787-18	%	0.05
Package size bag (net)	kg	25

SIPERNAT® Specialty Silica represent a specific product range of precipitated silicas, aluminium and calcium silicates.

Careful adjustment of parameters such as surface area, particle size, purity, oil absorption capacity or hydrophobicity results in products with different properties.

SIPERNAT® 880 is a fine particle calcium silicate with a calcium content of approx. 6% in the form of CaO.

SIPERNAT® 880 has an alkaline pH value and a medium oil absorption (DBP).

Registrations

CAS-RN of Product	1344-95-2
EINECS (Europe)	215-710-8
ENCS (Japan)	1-194
ECL (South Korea)	KE-30982
TSCA (USA) AICS (Australia) PICCS (Philippines) DSL (Canada) IECS (China)	registered

1) based on original substance

2) based on dry substance

3) based on ignited substance

*) The given data are typical values.

Storage properties: To ensure that the product and its applications properties remain fixed, Specialty Silicas should be stored in closed, dry locations and protected from volatile substances. Although proper storage will provide for a long useful product life without any expiry date, it is frequently difficult to accomplish. We therefore recommend to retest moisture uptake of hydrophilic grades after one year and of hydrophobic grades after two years.



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