

NANOSCALED SILICA SOLS FOR
SEMICONDUCTOR POLISHING, BONDING
OF INORGANIC MATERIALS, COATINGS AND
FLOCCULATION PROCESSES

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LEVASIL[®] 200/30% FG

Chemical Formula	SiO ₂
Description of Product	30 % special colloidal dispersion of silica in water for food applications
Grades Available	Product Designation LEVASIL [®] 200/30% FG

Chemical Characteristics¹⁾

(Mass fraction in % [cg/g]; ppm [µg/g])

Property	Limit	Unit	Test method
Solids	min. 30	%	Ignition residue (PRV EO V 001) Density tables (PRV EO V 008)
Na ₂ O	max. 0.2	%	Titration (PRV EO V 011)
Water content	max. 70	%	Loss on ignition (PRV EO V 002)

Informative Data

Property	Typical value	Test method
Appearance	opalescent turbid	
Odour	odourless	
pH at 20°C	8.5 - 9.5	pH-electrode (PRV EO V 009)

Purity Values Calculated On Solid Content

Metal ion	Typical value	Unit	Test method (PRV EO V)
Iron	< 150	ppm	ICP-MS, ICP-OES, AAS (048)
Titanium	< 200	ppm	ICP-MS, ICP-OES, AAS (048)
Arsenic	< 1	ppm	ICP-MS, ICP-OES, AAS (048)
Antimony	< 1	ppm	ICP-MS, ICP-OES, AAS (048)
Lead	< 1	ppm	ICP-MS, ICP-OES, AAS (048)
Copper	< 1	ppm	ICP-MS, ICP-OES, AAS (048)
Tin	< 1	ppm	ICP-MS, ICP-OES, AAS (048)

1) The test methods are available from H.C. Starck, HCSLev-Forschung, D-51368 Leverkusen.

Packaging

Product Designation	Packaging according to transport regulations		Material Number
	Packaging	Packaging unit	
LEVASIL® 200/30% FG	140 kg	Non-returnable PE-full-end-opening drum	01016035
LEVASIL® 200/30 % FG	1250 kg	Non-returnable PE-Container	01016037

Samples available under different product numbers.

Storage and Handling Storage and handling are subject to the rules and regulations in the country of use. LEVASIL® 200/30 % FG is sensitive to frost and should be stored at ambient temperatures above 5°C.
The material can be held in stock for 18 months, if stored properly.

Hazards identification in Advertising (Directive 67/548/EEC Article 26 and Directive 1999/45/EC Article 13)
none.

Documentation An inspection document in accordance with EN 10204 is supplied with every shipment. Inspection documents for samples are supplied on request.

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