

DATA SHEET N°: 514 PF 125 Version 5 date: 16/12/15

N° CAS: 112926-00-8 (previously: 7631-86-9)

N° EINECS: 231-545-4

INCI NAME: hydrated silica

IDENTITY AND ASPECT

Chemical composition:	10 SiO ₂ , 1 H ₂ O
Characteristics:	Amorphous precipitated silica
Aspect:	White powder
Tapped density :	≅ 0.15 kg/dm ³ (tapped product)

PRODUCT SPECIFICATIONS

Type	Method	Unit	Value
pH (5g/95 g of water)	SOLVAY 3 QSE 20.02		6.5-7.5
Loss on ignition 1000°C	SOLVAY 3 QSE 20.10	%	≤12.5
Loss on ignition 1000°C on dried product	SOLVAY 3 QSE 20.10	%	≤8.5
Na ₂ SO ₄	SOLVAY 3 QSE 20.02	%	≤ 4,0
Humidity (2H – 105°C)	SOLVAY 3 QSE 20.10	%	≤ 8,0
Median particle size	SOLVAY 3 QSE 20.24	µm	9-13
SiO ₂ (on calcined product)	SOLVAY 3 QSE 20.02	%	≥ 95.0
Fluoride compatibility	SOLVAY 3 QSE 20.19	%	≥ 90
Total aerobic bacteria	LSET 12-9018	u/g	≤ 500
Arsenic as As	ICP/MS	ppm	≤ 3
Lead as Pb	ICP/MS	ppm	≤ 4.5
Total heavy metals as Pb	ICP/MS	ppm	≤ 30

Corresponding specification values are mentioned on the Bulletin of analysis except for As, Pb & Total heavy metals which analysis are performed twice per year.

PACKAGING

Standard packaging:

- Bulk
- Paper bags of 12.5 Kg. Pallet 4 ways (1100 X 1100), 24 bags, 300 Kg net per pallet
- Paper bags of 12.5 Kg. Pallet 4 ways (1100 X 1100), 28 bags, 350 Kg net per pallet
- Paper bags of 10 Kg. Pallet 4 ways (900 X 1300), 30 bags, 300 Kg net per pallet
- Big-bag of 180 Kg net

SAFETY, STORAGE, HANDLING, LABELLING, TRANSPORTATION, REGULATION

Refer to the Material Safety Data Sheet.

Our Technical Services Department takes all the necessary measures to guarantee that the product conforms to the specifications indicated in this document. The user is nevertheless advised to carry out the preliminary tests to ensure the suitability of the product.

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