

TIXOSIL® 73

DATA SHEET N° :514 PF 127 - Version 5; Date : 23/06/2010

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

EINECS N° : 231-545-4

IDENTITY and ASPECT :

Chemical composition	10 SiO ₂ , 1 H ₂ O
Characteristics	Amorphous precipitated silica
Aspect	white powder
Tapped density	≅ 0.30 kg/dm ³ (tapped product)
SiO ₂ (on calcined product)	≥ 97.0 %

PRODUCT SPECIFICATIONS :

Type	Method	Unit	Value
pH (5g/95 g of water)	RHODIA 3 QSE 20.02		7.2-8.2
Humidity 2h 105°C	RHODIA 3 QSE 20.10	%	≤ 7.5
Ignition loss 1000°C	RHODIA 3 QSE 20.10	%	≤ 12
Oil absorption (DOA)	RHODIA 3 QSE 20.81	ml/100g	95-110
Soluble salts as Na ₂ SO ₄	RHODIA 3 QSE 20.12	%	≤ 1.5
Sieve residue 45 µm (325 mesh)	RHODIA 3 QSE 20.13	%	≤ 1.5
Mean diameter (Laser)	RHODIA 3 QSE 20.24	µm	6-12
Fluoride compatibility	RHODIA 3 QSE 20.19	%	≥ 90
Refractive index	RHODIA 3 QSE 20.17		1.437-1.447
Transmission	RHODIA 3 QSE 20.17	%	≥ 60
Total aerobic bacteria	LSET04-0376	u/g	≤ 300
Arsenic as As	ICP/MS	ppm	≤ 3
Lead as Pb	ICP/MS	ppm	≤ 5
Total heavy metals as Pb (Pb + Hg + Cd + As + Sb)	ICP/MS	ppm	≤ 20

This product meets the Dental Type Silica Monograph issued in the 3rd edition of the European Pharmacopeia Addendum 2001

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:

- Paper bags of 20 kg net.. Pallet 4 ways (900 x 1300), 42 bags, 840 kg net per pallet
- Paper bags of 20 Kg net. Pallet 4 ways (900 X 1300), 21 bags - 420 Kg net per pallet
- Paper bags of 20 Kg net. Pallet 4 ways (900 X 1300), 45 bags - 900 Kg net per pallet
- Bulk.
- Big bag of 550 or 800 kg net. Pallet 4 ways (1090 X 1090)

SAFETY, STORAGE, HANDLING, LABELLING, TRANSPORTATION, REGULATION

Refer to the Material Safety Data Sheet.

PRODUCTION SITE : 69660 Collonges au Mont d'Or (France)



- 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.
- The user is advised in all cases to check local legislation concerning the use of the product.
- We remain at your entire disposal to provide any further information that you may require.