

XYSIL® 300P

Hydrophilic Fumed Silica

TECHNIQUE DATA SHEET

XYSIL® 300P (Pharmaceutical grade) is a hydrophilic Fumed Silica with a specific surface area of 300m²/g, and also known as

Synthetic, Amorphous, Colloidal Silicon Dioxide, manufactured by a continuous flame hydrolysis process of silicon tetrachloride.

Characteristic physico-chemical data

Properties	Units	Guarantee Value	Standardization
Xysil200P tested according to Ph.Eur.,USP/NF,Monograph0434, JP, ChP and GB			
Specific surface area (BET)	m ² /g	300±25	GB/T10722
pH-value (in 4% dispersion)		3.8-4.5	Ph.Eur. ,USP/NF
Loss on drying, ex works(2h @ 105℃)	wt%	<1.5	Ph.Eur. ,USP/NF
Loss on ignition(2h @ 1000,based on material dried for 2h @ 105℃)	wt%	<2.5	Ph.Eur.,USP/NF,
Chlorides	ppm	<250 <110	Ph.Eur. USP/NF
Arsenic	Ug/g	<8.0	USP/NF
Heavy metals	ppm	<25	Ph.Eur.
Sieve residue (45µm)	%	<0.05	GB/T5211.14
Assay-SiO ₂ content (based on the substance heated at 1000℃ for 2 h)	wt%	99.0-100.5	Ph.Eur.,USP/NF
Tamped density (based on material dried for 2h @ 105℃)	g/L	25~60	GB/T5211.4
Identification		Pass	Ph.Eur.
Residual Solvents	ppm	Pass	USP/NF
Appearance	Fine, white, amorphous powder		

Applications and Properties

Application:

- Pharmacy, all types of dosage forms (XYSIL300P shows identical application properties to XYSIL300).

Functions:

- Free flow and anti-caking agent to improve powder properties
- Improve tablet properties such as hardness and friability as viscosity increasing agent to thicken and thixotropize liquids
- Dessicant for moisture-sensitive actives
- Improves distribution of active pharmaceutical ingredients
- Used as anti-setting, thickening and anti-sagging agent
- High purity, low humidity content
- No influence on taste
- Does not alter natural colour of powder formulations

Registrations(substance or product components)

Chemical Name	CAS NO.	REACH(EU)	KKDIK	K-REACH	TSCA	Customs Tariff Number
Silicon Dioxide	112945-52-5, 7631-86-9	Registered	Registered	Registered	Registered	281122(Internet); 2811229000(China)

This information is supplied on basis of our best knowledge, as a convenience and for information purposes only. We disclaim any warranty and liability whatsoever as to accuracy and completeness of such information as well as to the potential infringement of any proprietary rights.

Henan Xunyu Chemical Co.,Ltd.

Add: No.18, Shangwu Waihuan Road, Zhengdong New Dis, Zhengzhou City, Henan Province, P.R. China

Tel: +86-371-69176282 Fax: +86-371-69176283

Email: info@xunyuchem.com; technique@xunyuchem.com; marketing@xunyuchem.com

Website: www.xunyuchem.com, www.fumed-silica.net, www.xysil.com

Reversion 11 on Jan 25th, 2022

Certificated by ISO9001 – ISO14001 – ISO45001 – SGS- REACH – KKDIK – K-REACH