

XYSIL® 200P

Hydrophilic Fumed Silica

TECHNIQUE DATA SHEET

XYSIL® 200P (Pharmaceutical grade) is a hydrophilic Fumed Silica with a specific surface area of 200m²/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	200±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 (XYSIL200P shows identical application properties to XYSIL200).

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)

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