

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 it is Synthetic, hydrophilic amorphous Silica (Colloidal Silicon Dioxide).

Physico-chemical Data

Properties	Units	Typical Value	Standardization
Xysil300P tested according to Ph.Eur.,USP/UF, JP and GB			
Specific surface area (BET)	m ² /g	300±25	GB/T10722
pH-value (in 4% dispersion)		3.8-4.5	Ph.Eur.
Loss on drying, ex works(2h @ 105℃)	wt%	<1.5	Ph.Eur.
Loss on ignition(2h @ 1000,based on material dried for 2h @ 105℃)	wt%	<2.5	Ph.Eur.
Chlorides	ppm	<250	Ph.Eur.
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.
Tamped density (based on material dried for 2h @ 105℃)	g/L	25~60	GB/T5211.4
Identification		Pass	Ph.Eur.
Residula Solvents	ppm	Pass	USP/NF
Description	Fine, white, amorphous powder		

Application s and Properties**Application:**

Pharmacy, all types of dosage forms (XYSIL300P shows identical application properties to YYSIL300).

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

Packing and Storage

XYSIL® 300P is packaged in multiple layer kraft paper 10kg bags on pallet, and should be stored in the original packaging in dry storage areas for protecting the material from volatile substance.

Transportation:

Sea Transportation

20'GP: 1800KG, 10 pallets, 180KG/pallet.

40'GP: 3600KG, 20 pallets, 180KG/pallet.

40'HQ: 4000KG, 20 pallets, 200KG/pallet.

Road Transportation: by requirement

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