

## XYSIL® 380P

### Hydrophilic Fumed Silica

### TECHNIQUE DATA SHEET

**XYSIL® 380P (Pharmaceutical grade)** is a hydrophilic Fumed Silica with a specific surface area of 380m<sup>2</sup>/g, and it is Synthetic, hydrophilic amorphous Silica (Colloidal Silicon Dioxide).

#### Physico-chemical Data

Properties	Units	Typical Value	Standardization
Xysil200P tested according to Ph.Eur.,USP/NF,Monograph0434, JP and ChP			
Specific surface area (BET)	m <sup>2</sup> /g	380±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%	<2.0	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 <sub>2</sub> content (based on the substance heated at 1000℃ for 2 h)	wt%	99.0-100.5	Ph.Eur.
Tapped 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 (XYSIL380P shows identical application properties to YYSIL380).

##### 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® 380P 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

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

Website: www.xunyuchem.com