

HPSIL® 520A thickening-type Precipitated silica

Characteristics

HPSIL® 520A thickening-type is a kind of high purity white fluffy powder, widely used in toothpaste.

Packaging and storage

HPSIL® 520A thickening-type is supplied in 10kg kraft paper bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances.

Applications

- Toothpaste

Properties

- Serve as thickening agent in toothpaste
- Good dissolvability with fluoride and other components in toothpaste

Characteristic physico-chemical data

Properties and test methods	Unit	Typical Value
Silica content (based on ignited material)	%	≥98
Appearance		White powder
Whiteness	%	≥98
pH value (in 5% dispersion)		6.5-8.5
Pass 320 mesh screen	%	≥ 99
Loss on drying (105°C)	%	≤10
Loss on ignition (900°C)	%	≤ 6
Water absorption value	ml/20g	45-60
Na ₂ SO ₄ content	%	≤ 0.4
NaCl content	%	≤ 0.1
Sulfide content		None
Heavy metals (Pb) content	mg/kg	≤20
As content	mg/kg	≤2
Bacilli	cfu/g	≤200

Contact information

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