



AGENAJEL 20.313 PRODUCT DATA SHEET

Thickening starch for cosmetic

GENERAL DESCRIPTION

AGENAJEL 20.313 is a cold water soluble starch-ether based on waxy maize starch (edible).

- Appearance: white-yellowish powder
- Odour: pure, specific
- INCI Name: Hydroxypropyl Starch Phosphate
- CAS Number: 53124-00-8

ANALYSIS DATA

- Moisture: max. 10,0 %
- pH-value (1 % solution): 5,0 – 7,0
- Solubility: soluble in cold and in hot water
- Viscosity (5 %i.s) Brookfield 50 rpm: approx. 1500 mPa.s

MICROBIOLOGY

- | | | |
|----------------------|-----------------|-----------------|
| • Total plate count: | max. 200/g | ISO/Pharm. Eur. |
| • Yeasts: | max. 100/g | ISO/Pharm. Eur. |
| • Moulds: | max. 100/g | ISO/Pharm. Eur. |
| • E. coli: | max. negative/g | ISO/Pharm. Eur. |
| • Salmonella: | negative/25g | ISO/Pharm. Eur. |

SHELF-LIFE AND STORAGE

If properly stored under dry conditions (max. 70 % relative humidity): approx. 60 months

PACKING

- In multi-layer paper bags of 25 kg (1 one way pallet = 25 bags = 750 kg)

CUSTOMS TARIFF NUMBER

- 35051050

PROPERTIES AND APPLICATION

- AGENAJEL 20.313 is a rheology modifier and creaminess enhancer.
- AGENAJEL 20.313 is cold water swellable and shear-thinning with rapid viscosity recovery
- Applications as thickener: in creams & lotions, cream shampoos
- AGENAJEL 20.313 leads to opaque formulations.

PROCESSING

- Suspending this starch powder in water requires intensive stirring and slow dosage in order to avoid lumping. Whenever possible the starch should be first dispersed in (part of the) oily phase or in glycerine and then it should be dispersed slowly in water with continuous stirring until it is homogenous.

Above stated information is indicative only and no responsibility can be assumed. Recommendation is made to check suitability of our product by doing tests on your own.