



## 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 fine, floury powder
- Odour: pure, specific
- INCI Name: Hydroxypropyl Starch Phosphate
- CAS Number: 53124-00-8

#### ANALYSIS DATA

- Moisture: max. 10,0 % rapid dryer, 160°C,  
constant weight
- pH-value: 5,0 – 7,0 1% solution
- Viscosity: approx. 2500 mPa.s Brookfield 5,0% i.s., 50rpm

#### MICROBIOLOGY

- Total plate count (/g): max. 200 ISO 4833-1
- Yeasts (/g): max. 20 ISO 7954
- Moulds (/g): max. 20 ISO 7954
- E. Coli (/g): 0/g ISO 16649-2
- Salmonella (/25g): neg. ISO 6579-1
- Gram negative bacteria (/g): neg. AV 092 (internal)
- Coagulase-positive staphylococcus (/g): neg. Pharm.Eur. 2.6.13
- Candida albicans (/g): neg. ISO 18416

#### STORAGE AND SHELF LIFE

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 = 30 bags = 750 kg)

#### CUSTOMS TARIFF NUMBER

- 35051050

#### APPLICATION FIELDS

- creams & lotions
- thickener in aqueous PC-formulations



## APPLICATION INFO

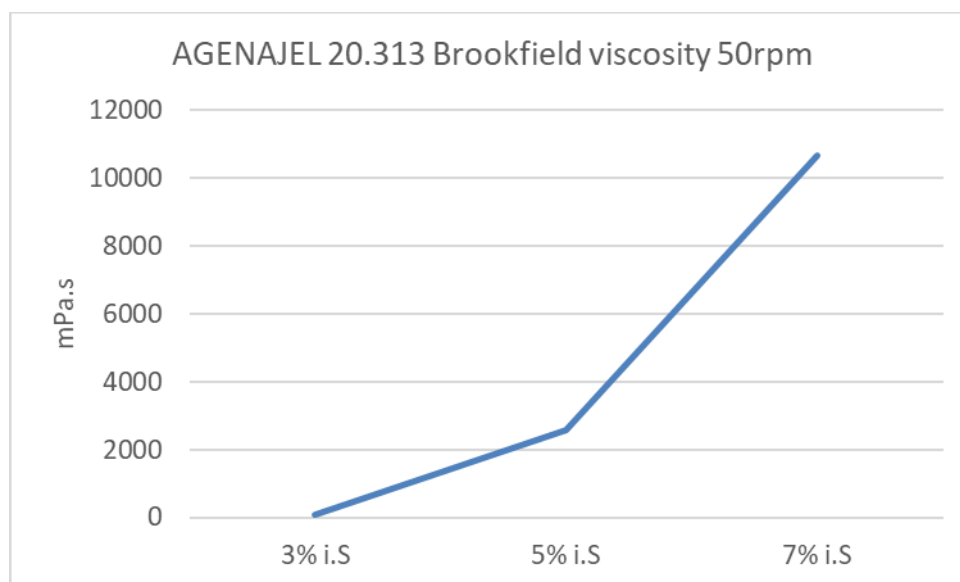
- AGENAJEL 20.313 is a rheology modifier and creaminess enhancer, frequently in combination with xanthan.
- AGENAJEL 20.313 is cold water swellable and shear-thinning with rapid viscosity recovery
- Applications as thickener: in creams & lotions, cream shampoos
- AGENAJEL 20.313 leads to opaque formulations.

## 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.
- In O/W emulsions and shampoos we recommend an addition of 3-5%.

## VISCOSITY Brookfield (indicative information; not part of specification)

Viscosities depending on concentration. Stirring of aqueous solution at 1500rpm for 10 min. Viscosity measurement after 15min with Brookfield RV at room temperature.



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.