



AGENAJEL 20.306

Pregelatinized modified waxy corn starch

GENERAL DESCRIPTION

- AGENAJEL 20.306 is an instant (= cold water swelling) modified waxy corn starch. AGENAJEL 20.306 features as natural rheology modifier and thickener according to COSMOS-standard.
- INCI Name: Distarch Phosphate
- CAS No.: 55963-33-2
- Appearance: white fine, floury powder
- Odour: pure, specific

ANALYSIS DATA

- Moisture: max. 8,0 % rapid dryer, 160 °C, constant weight
- pH-value: 5,0 – 7,0 1% solution
- Viscosity after 2,5 h at 25 °C: 900 – 1.300 BU Acid Brabender - 6,0 % i.s., cup 350 cmg
27g sample weight
410g distilled water
11g glacial acetic acid

MICROBIOLOGY

- Total plate count: max. 200/g ISO 4833-1
- Coliforms: <1/g ISO 4832
- E. coli: 0/g ISO 16649-2
- Yeast: max. 20/g ISO 7954
- Mould: max. 20/g ISO 7954
- Salmonella: neg./25g ISO 6579-1
- Gram negative bacteria: neg./g AV 092 (internal)
- Coagulase-positive staphylococcus: neg./g Pharm.Eur. 2.6.13
- Candida albicans: neg./g ISO 18416

STORAGE AND SHELF LIFE

- If properly stored under dry conditions (max. 70 % relative humidity): min. 36 months

PACKING

- In multiwall paper-bags of 25 kg (1 EU-pallet = 30 bags = 750 kg)



CUSTOMS TARIFF NUMBER

- 3505 1050

APPLICATION FIELDS

- creams & lotions
- natural thickener in aqueous PC-formulations

APPLICATIONAL INFO:

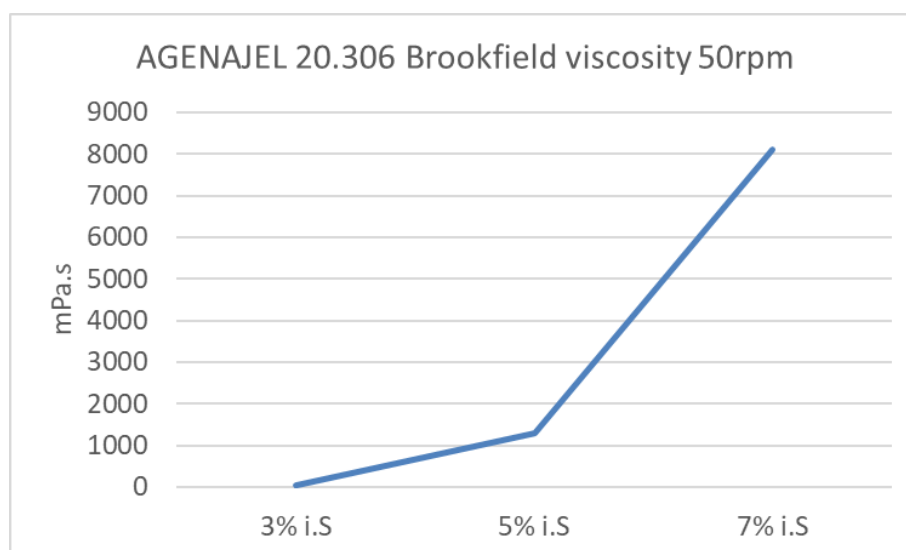
- AGENAJEL 20.306 is used as natural rheology modifier in personal care emulsions and hair care formulations, frequently in combination with xanthan.
- It provides a smooth and creamy texture and leads to opaque formulations.
- It is recommended to make re-dispersion of AGENAJEL 20.306 in oil or glycerine, if feasible. In water, intensive stirring is required to disperse AGENAJEL 20.306 without lumping.
- AGENAJEL 20.306 is a powder and can be used also for cold processed formulations.
- It is compatible with commonly used cosmetic raw materials.

PROCESSING INFO:

- It is recommended to make re-dispersion of AGENAJEL 20.306 in oil or glycerine, if feasible. In water, intensive stirring is required to disperse AGENAJEL 20.306 without lumping.
- In O/W emulsions and shampoos we recommend an addition of 3-6%.

VISCOSITY Brookfield (indicative information; not part of specification)

Viscosities depending on concentration. Stirring of aqueous solution at 1500 rpm for 10 min. Viscosity measurement after 15 min. 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.