



Creamy, Brity, Foamy with AGENAJEL 20.306

"Formulated and developed by AZELIS"

AGENAJEL 20.306

Agenajel 20.306 is a natural aqueous gelling agent derived from corn starch. It is cold processable and brings body to skincare formulas. It also stabilises emulsions while providing a smooth and creamy texture.

Cosmos, China approved and NOI = 0.99, this is the ideal ingredient for your natural formulations.

Ingredients	INCI-Name	%w/W	Supplier
Phase A			
Camellia Seed Oil I.S	Camellia Oleifera Seed Oil	10,00	
Rosa Rugosa Oil I.S	Rosa Rugosa Fruit Extract	5,00	
Phase B			
Deionised Water	Aqua	To 100	
Balanova Trisodium Citrate	Sodium Citrate	0,3	
Phase C			
Brontide™	Butylene Glycol	5,00	
Keltrol® CG-LAX-T	Xanthan Gum	0,50	
Phase D			
AGENAJEL 20.306	DISTARCHPHOSPHATE	5,00	AGRANA
Phase E			
Hostapon® CCG	Sodium Cocoyl Glutamate	10,00	
Genagen® KB	Coco Betaine	10,00	
GlucoTain® Plus	Capryloyl/Caproyl Methyl Glucamide, Lauroyl/Myristoyl Methyl Glucamide	10,00	
Phase F			
Almond Milk Natura	Parfum	0,40	
Nipaguard® SCE	Sorbitan Caprylate, Propanediol, Benzoic Acid	1,00	
Phase G			
Purac® HiPure 90	Lactic Acid, Aqua	pH 5.0- 5.5	



Manufacturing Instructions

Mix the components of phase A.

In a separate beaker, prepare phase B by dissolving sodium citrate into water.

Prepare phase C by dispersing Keltrol® CG-LAX-T into Brontide™. Add the dispersion into phase B and stir until you obtain a homogeneous clear blend.

Slowly add Agenajel 20.306 into phase BC by increasing stirring rate with the increasing viscosity. Keep stirring until you obtain a homogeneous smooth blend.

Add the surfactants of phase E one by one under moderate speed to avoid formation of foam.

Emulsify with High shear the aqueous phase (phase BCDE) into oil phase (phase A).

Add the components of phase F one by one and gently stir in between until homogenous.

Adjust pH to 5.0 - 5.5 with phase G.

Specification

pH	5.0 - 5.5
Stability	6 weeks @ RT and 40°C
Viscosity	5500 – 6000 cPs Brookfield RV, Spindle 4, 20rpm

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