

NATURAL BODY LOTION

with AGRANA STARCH THICKENERS

"Formulated by AGRANA"

AGRANA offers various starches with excellent thickening power for synthetic thickener replacement.

AGENAJEL 20.313 (INCI Hydroxypropyl Starch Phosphate)

AGENAJEL 20.306 (INCI Distarch Phosphate)



Ingredients	INCI-Name	Body Lotion with CARBOPOL	Natural Body Lotion with AGENAJEL 20.313	Natural Body Lotion with AGENAJEL 20.306 COSMOS
Phase A				
Aqua	Aqua	69,20	65,25	66,75
Phenoxyethanol	Phenoxyethanol	0,70	0,70	0,70
Benzyl Alcohol	Benzyl Alcohol	0,30	0,30	0,30
Carbopol Ultrez 20	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0,10	–	–
Phase B				
Glycerine	Glycerine	5,00	5,00	5,00
Xanthan Gum	Xanthan Gum	–	0,05	0,05
Phase C				
Appyclean 666g	Cetearyl Glucoside	0,50	0,50	0,50
Glycerylmonostearate	Glycerylmonostearate	0,20	0,20	0,20
Nafol 1618	Cetearyl Alcohol	2,00	2,00	2,00
Sheabutter	Butyrospermum Parkii Butter	2,00	2,00	2,00
Coconutoil	Cocos Nucifera oil	3,00	3,00	3,00
Stearic acid	Stearic Acid	4,00	4,00	4,00
Sunfloweroil	Helianthus Annuus Seed Oil	4,00	4,00	4,00
Cosmacol OE	Dicaprylyl Ether	4,00	4,00	4,00
Witarix MCT 60/40	Carpylic Capric Triglyceride	5,00	5,00	5,00
AGENAJEL 20.313	Hydroxypropyl Starch Phosphate	–	4,00	–
AGENAJEL 20.306	Distarch Phosphate	–	–	2,50
Phase D				
Citric Acid / NaOH	Citric Acid / Sodium hydroxide	for pH 5,3	for pH 5,3	for pH 5,3

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This formulation is indicative only and no responsibility whatsoever will be assumed. This formulation is offered solely for your consideration, investigation and verification. It is your responsibility to thoroughly test any formulations before use. All those who use our formulations as well as those who process AGRANA Starches are themselves entirely responsible for the adherence to prevailing statutory regulations and the observance of patent rights as well as other protective rights for other companies. AGRANA does not assure any liability with respect to the composition of the formulation or the use in products.

PROCEDURE:

Formula with CARBOPOL:

Phase A: Sprinkle Carbopol on heated (70°C) water and wait 3 min. Add Phenoxyethanol and Benzylalcohol and Glycerine (Phase B) whilst stirring. Heat oily components of Phase C to 70°C and add it into Phase AB and homogenize (Ultraturrax 24.000 rpm, 3 min). Cool down Phase ABC to 45°C and adjust pH to pH 5,3 with some drops NaOH (10 %) whilst stirring.

Formula with AGENAJEL's:

Phase A: Add Phenoxyethanol and Benzylalcohol into deionized heated (70°C) water.

Phase B: Dissolve Xanthan Gum in Glycerine. Add Phase B into Phase A whilst stirring (Ultraturrax 13.500 rpm, 1-2min).

Phase C: Heat oily components to 70°C until melted and add AGENAJEL whilst stirring (500 rpm). Add Phase C into Phase AB and homogenize with Ultraturrax (24.000 rpm, 3 min). Cool down Phase ABC to 45°C and adjust pH to pH 5,3 with citric acid.

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