EXOpearl N

PEARLING AGENT

Description

- creates pearl effect,
- easy to use,
- stabilizes foam.

Application

- shampoos,
- bath foams,
- shower gels,
- liquid soaps,
- face wash gels,
- baby products.


in line with cosmetic trends


guarantee the consumer satisfaction


improvment of PC formulations


innovative product


value for money

EXOpearl N

PEARLING AGENT

Chemical name	Mixture of anionic and non-ionic surfactants	
INCI name	Sodium Laureth Sulfate (and) Cocamide DEA (and) Glycol Distearate	
CAS number	–	
Function	Pearling agent and foam stabilizer	
Technical requirements	Appearance at (20÷25)°C	opaque, white liquid
	Dry matter, % (m/m)	38 ÷ 43
	pH of 10% solution	7.0 ÷ 8.5
	Chlorides as NaCl, % (m/m)	max 1.0
General data	Solubility in water	forms milky dispersion
	Viscosity at 20°C, cP	1500 ÷ 5000
	Density at 20°C, g/mL	approx. 1.03

Mild pearling gel for skin face

Phase	INCI name	Brand name	Concentration [%]	Function
A	Aqua		45.90	solvent
	Xanthan Gum		0.65	viscosity modifier
	Glycerin		2.00	moisturising agent
	Sodium Benzoate. Potassium Sorbate		0.60	preservative
B	Aqua		15.70	solvent
	Magnesium Laureth Sulfate	**EXOsoft MG**	**20.00**	**primary surfactant**
	Sodium Lauroyl Sarcosinate	**ROKAtend LS**	**10.00**	**primary surfactant**
	Cocamidopropyl Betaine	**ROKAmina K30**	**3.40**	**secondary surfactant**
C	Citric Acid		0.25	pH modifier
	Sodium Laureth Sulfate, Cocamide DEA, Glycol Distearate	**EXOpearl N**	**1.00**	**pearling agent**
	Parfum		0.50	fragrance composition

APPEARANCE	visual method	viscosus pearling gel
pH		4.8 - 5.5
VISCOSITY [cP]	Brookfield LV, spindle 34 , speed 4 RPM, 25°C	6000 - 9000
STABILITY	1 month in 5°C, 20°C, 40°C,	confirmed

1. In a main vessel combine ingredients from phase A. Add xanthan gum to glycerin - mix until homogenous solution is obtained. Add warm water (40-50°C) and preservative. Mix until homogenous solution is obtained. Homogenise for 2-3 minutes.

2. Combine ingredients from phase B. Add ingredients from phase B to warm water (40-45°C). Mix until homogenous solution is obtained.

3. Add phase B to phase A. Mix until homogenous solution is obtained. Cool the batch down to 30°C.

4. Adjust pH to 4.8 - 5.5 by using citric acid. Mix well after adjustment.

5. Add ingredients from phase C. Mix until homogenous solution is obtained.

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PCC Exol