

LOTION with Natural E

Formula# 8/18-6414/6358/286-13

Features

- Soothe & nourish dry skin with this all-natural body lotion.
- Shiny white, O/W Emulsion with wet break.
- Pumpable, light everyday lotion.
- Natural lotion chassis.

Skin Care

Emulsion

Natural/Clean

Vegan

Formula

Kostol Natural E

Natural, PEG-free nonionic o/w emulsifier. Provides a light to medium, wet break, low thickening. Can be used as a primary or secondary emulsifier. Usage level 2-8%.

Kester K-24

Naturally derived wax ester of plant origin. Low melt point semi-solid, melts on body contact, provides cooling sensation. Adds slip, reduces greasy feel, dimethicone alternative. Usage level up to 50%.

Bayberry Wax

Natural wax extracted from the Bayberry fruit. Low melt point solid, behaves like a butter in most formulations. Emollient, thickener, matte finish. Usage Level 0.5-15%.

Trade Name	INCI Name	%	Function
<i>Phase A</i>			
Deionized Water	Aqua	77.1	
Glycerin	Glycerin	3.5	Humectant
Keltrol CG-SFT ²	Xanthan Gum	0.3	Thickener
Quemina 21.257 ³	Zea Mays (Corn) Starch	1.5	
Lincoserve WpH-LO ⁴	Pentylene Glycol (and) Caprylyl Glycol (and) Propanediol (and) Ethylhexylglycerin	1.0	Preservative
<i>Phase B</i>			
Kostol Natural E¹	Behenyl Alcohol, Polyglyceryl-3 Stearate	4.0	O/W Emulsifier
Kester Wax K-24¹	Lauryl Laurate	4.0	Emollient
Bayberry Wax¹	Myrica Cerifera (Bayberry) Fruit Wax	4.0	Emollient/Thickener
Cetiol CC ¹	Dicaprylyl Carbonate	3.5	Emollient
Jeechem CTG ⁶	Caprylic/Capric Triglyceride	4.0	Emollient
Lecinol S-10 ⁷	Hydrogenated Lecithin	0.1	Stabilizer

PROCEDURE

- Premix glycerin and xanthan gum and add to the water.
- Add remaining ingredients one at a time, while mixing & heating to 80-85°C.
- Combine Phase B ingredients and heat to 80-90°C.
- Add to Phase B to Phase A. Mix at high speed.
- When emulsion is smooth, begin cooling.
- Pour into containers.

Stability Information:

Three months at 45C, three months at RT, Three months Freeze/Thaw cycles.

Supplier Information:

1.) Koster Keunen

2.) CP Kelco

3.) Agrana Starch

4.) Lincoln Fine

5.) BASF

6.) Jeen

7.)Barnet

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