

# Lotion with Kostol Natural E

Formula # 8/18-414/358/286-13

## Features

- Soothes and nourishes dry skin.
- Shiny white, o/w emulsion with wet break.
- Pumpable and light everyday lotion.

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 Wax 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	%
<i>Phase A</i>		
Deionized Water	Aqua	77.1
Glycerin	Glycerin	3.5
Keltrol CG-SFT <sup>2</sup>	Xanthan Gum	0.3
Quemina 21 .257 <sup>3</sup>	Zea Mays (Corn) Starch	1.5
Lincoserve WpH-LO <sup>4</sup>	Pentylene Glycol, Caprylyl Glycol, Propanediol, Ethylhexylglycerin	1.0
<i>Phase B</i>		
<b>Kostol Natural E<sup>1</sup></b>	<b>Behenyl Alcohol, Polyglyceryl-3 Stearate</b>	<b>4.0</b>
<b>Kester Wax K-24<sup>1</sup></b>	<b>Lauryl Laurate</b>	<b>4.0</b>
<b>Bayberry Wax<sup>1</sup></b>	<b>Myrica Cerifera (Bayberry) Fruit Wax</b>	<b>1.0</b>
Cetiol CC <sup>5</sup>	Dicaprylyl Carbonate	3.5
Jeechem CTG <sup>6</sup>	Caprylic/Capric Triglyceride	4.0
Lecinol S-10 <sup>7</sup>	Hydrogenated Lecithin	0.1

## Procedure

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

### Stability Information:

Three months at 45 °C, three months at room temperature, three freeze/thaw cycles.

### Supplier Information:

1. **Koster Keunen, Inc.**; 2. CP Kelco; 3. Agrana Starch; 4. Barentz; 5. BASF; 6. Jeen; 7. Barnet.

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