

# Cream with Kostol Natural E

Formula # 1/18-587/358/414-1

Skin Care

Emulsion

Natural / Clean

## Features

- Extra-moisturizing treatment naturally soothes and restores stressed skin.
- Shiny white, O/W Emulsion with wet break.
- Natural emulsion for all clean skin care formulation requirements.

## 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%.

### White Beeswax

Natural wax produced by honeybees. Multifunctional; excels at making anhydrous formulas soft and pliable, and making emulsions glossy, thick and with excellent pickup. Structurant, plasticizer, thickener.

### 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%.

Trade Name	INCI Name	%
<i>Phase A</i>		
Deionized Water	Aqua	72.2
Bentonite Albagel BC <sup>2</sup>	Bentonite	2.0
Glycerin	Glycerin	3.0
Keltrol CG-SFT <sup>3</sup>	Xanthan Gum	0.5
Optiphen ND <sup>2</sup>	Phenoxyethanol, Benzoic Acid, Dehydroacetic Acid	0.8
<i>Phase B</i>		
Kostol Natural E <sup>1</sup>	Behenyl Alcohol, Polyglyceryl-3 Stearate	4.0
White Beeswax <sup>1</sup>	Beeswax	2.0
NaturalAtum <sup>1</sup>	Canola Oil, Ricinus Communis (Castor) Seed Oil, Polyhydroxystearic Acid, Euphorbia Cerifera (Candelilla) Wax, Helianthus Annuus (Sunflower) Seed Wax	7.5
Kester Wax K-24 <sup>1</sup>	Lauryl Laurate	5.0
Cetiol CC <sup>4</sup>	Dicaprylyl Carbonate	3.0

## Procedure

- Sprinkle Bentonite into water and mix until fully hydrated heating to 80-85°C
- Premix Glycerin and Xanthan Gum, add to Phase A and mix until uniform.
- Combine Phase B ingredients and heat to 80-85°C, and add to Phase A.
- Mix at high speed until emulsion is smooth, then cool to desired pour temperature

### Stability Information:

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

### Supplier Information:

1. Koster Keunen, Inc.; 2. Brenntag Specialties, 3. CP Kelco, 4. BASF.

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