

# Beautiful Skin Body Lotion

Formula # 5/21-577/128-3

## Features

- Everyday, nourishing care for skin.
- All-natural emollient lipids replenish stripped skin.
- Initial light and bouncy feeling, surprisingly long lasting.

Skin Care

Emulsion

Clean

Vegan

## Formula

### Kostol NatureMuls

Natural, PEG-free nonionic o/w emulsifier. Provides a medium to long break, with some viscosity growth. Can be used as a primary or secondary emulsifier. Usage level 3-8%.

### Kester Wax K-56

Naturally derived wax ester of plant origin. Increases opacity and viscosity in emulsions, adds bounce and texture. Secondary structurant in anhydrous formulations. Usage level 1-10%.

### 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	%
<b>Phase A</b>		
Deionized Water	Aqua	78.0
Glycerin	Glycerin	4.0
Pemulen TR-2 <sup>2</sup>	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.1
NaOH 10%	Sodium Hydroxide	0.4*
<b>Phase B</b>		
Kostol NatureMuls <sup>1</sup>	Candelilla/Jojoba/Rice Bran Polyglyceryl-3 Esters, Glyceryl Stearate, Cetearyl Alcohol, Sodium Stearoyl Lactylate	5.0
Kester Wax K-56 <sup>1</sup>	Cetyl Stearate	3.0
Kester Wax K-24 <sup>1</sup>	Lauryl Laurate	5.0
Jeechem CTG <sup>3</sup>	Caprylic/Capric Triglyceride	3.0
<b>Phase C</b>		
Optiphen <sup>4</sup>	Phenoxyethanol, Caprylyl Glycol	1.0
Prebiulin AGA <sup>5</sup>	Inulin	0.5

## Procedure

- Combine Phase A ingredients and heat to 80 – 85 °C with mixing.
- Combine Phase B ingredients and heat to 80 – 85 °C with mixing.
- Once both Phases are at temperature, add Phase B to Phase A and increase mixing speed.
- When emulsion is smooth, \*check pH and adjust if necessary.
- Add Phase C at 55 °C or under.
- Cool to 45 °C or under with mixing 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. Lubrizol; 3. Vantage; 4. Brenntag Specialties; 5. Gbiotics

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