

# Perfectly Smooth Lotion

Formula # 2/25-10000/10093-8

## Features

- Pumpable, light everyday lotion.
- Made with traditional ingredients.
- Flexible chassis, easily customizable.

Skin Care

Emulsion

Traditional Ingredients

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%.

### Kostol Apifree

Natural, vegan blend designed to mimic the properties of PEG-8 Beeswax. Adds slip in anhydrous formulations. Improves stability in emulsions. Usage level 1-10%.

### Synkos M-1063

Synthetic wax that increases melt point and acts as a plasticizer in anhydrous formulas. Mimics the properties of higher melt point microcrystalline waxes. BHT free.

Trade Name	INCI Name	%
<i>Phase A</i>		
Deionized Water	Aqua	71.95
Sepimax Zen <sup>2</sup>	Polyacrylate Crosspolymer-6	0.5
Tealan 99 <sup>3</sup>	Triethanolamine	0.05
Butylene Glycol	Butylene Glycol	3.0
Lincoserve WpH-LO <sup>4</sup>	Pentylene Glycol, Propanediol, Caprylyl Glycol, Ethylhexylglycerin	1.0
<i>Phase B</i>		
<b>Kostol NatureMuls<sup>1</sup></b>	<b>Candelilla/Jojoba/Rice Bran Polyglyceryl-3 Esters, Glyceryl Stearate, Cetearyl Alcohol, Sodium Stearoyl Lactylate</b>	<b>4.5</b>
<b>Kostol Apifree<sup>1</sup></b>	<b>Behenyl Behenate, Polyhydroxystearic Acid, Polyglyceryl-10 Stearate, Euphorbia Cerifera (Candelilla) Wax, Sodium Stearoyl Lactylate</b>	<b>3.0</b>
<b>Synkos M-1063<sup>1</sup></b>	<b>Synthetic Wax</b>	<b>3.0</b>
Ritacane IH <sup>3</sup>	Isohexadecane	8.0
Belsil DM50 <sup>5</sup>	Dimethicone	5.0

## Procedure

- Combine Phase A ingredients and heat to 80 – 85 °C.
- Combine Phase B ingredients and heat to 80 – 85 °C.
- Once both Phases are at temperature, add Phase B to Phase A and increase mixing speed.
- When the emulsion is smooth, begin cooling with slower mixing.
- Continue to cool while mixing to desired pour temperature.

### Stability Information:

Three months at 50 °C, three months at room temperature, three freeze/thaw cycles.

### Supplier Information:

1. Koster Keunen, Inc.; 2. Seppic; 3. Rita; 4. Lincoln Manufacturing; 5. Brenntag Specialties

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