

Velvety Smooth Lotion

Formula # 7/17-106/814/197-1

Features

- Nourishing Lotion with Velvety Smooth After Feel

Skin Care

Emulsion

Traditional Ingredients

Formula

Kostol PGP

Non-ionic o/w emulsifier. Provides a quick break and light feel, without affecting viscosity. Designed for multiple formula types, wide pH tolerance. Usage level 2-6%.

Cera Bellina

Beeswax derivative that increases compatibility with polar materials. Promotes creamy textures in anhydrous systems. Co-emulsifier, stabilizer in both o/w and w/o emulsions. Usage level 1-10%.

Trade Name	INCI Name	%
<i>Phase A</i>		
Deionized Water	Aqua	68.1
Glycerin	Glycerin	3.0
Keltrol CG-SFT ⁵	Xanthan Gum	0.5
<i>Phase B</i>		
Kostol PGP¹	Polyglyceryl-3 Stearate (and) Beheneth-5	5.0
Cetyl Esters¹	Cetyl Esters	4.0
Cera Bellina¹	Polyglyceryl-3 Beeswax	3.5
Branched Kester Wax BK-40¹	C32-36 Isoalkyl Stearate	1.0
Lecinol S-10 ²	Hydrogenated Lecithin	0.4
Belsil PDM20 ³	Trimethylsiloxyphenyl Dimethicone	4.5
Belsil DM 100 ³	Dimethicone	4.0
<i>Phase C</i>		
Ritacane IH ⁴	Isohexadecane	5.0
Optiphen ³	Phenoxyethanol, Caprylyl Glycol	1.0

Procedure

- Premix glycerin and xanthan gum.
- Combine Phase A ingredients one at a time, mixing well after each addition, while heating the batch to 80-85°C.
- Combine Phase B materials in a separate vessel, heat to 80-85°C, and mix until uniform.
- Add Phase B to Phase A and mix at high speed and 80-85°C until emulsion is smooth.
- Cool slowly at medium speed to 50°C and add Phase C ingredients, and mix well

Stability Information:

One month at room temperature, one month at 45°C, three freeze/thaw cycles.

Supplier Information:

1. Koster Keunen, Inc.; 2. Barnet; 3. Brenntag Specialties; 4. Rita; 5. CP Kelco

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