

Body Lotion with Organic Emulsifying Wax

Formula # 5/15-462/128-2

Features

- Non-Soaping, O/W Emulsion
- Deeply and Effectively Hydrates Skin

Skin Care

Emulsion

Natural / Clean

Formula

Organic Emulsifying Wax

A blend of certified organic raw materials that produce emulsions over a wide range of concentrations acting as the primary or secondary emulsifier. Anionic emulsifier. Usage level 4-8%.

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%.

Trade Name	INCI Name	%
<i>Phase A</i>		
Deionized Water	Aqua	67.3
Quemina 21.257 ²	Zea Mays (Corn) Starch	2.0
Glycerin	Glycerin	10.0
Keltrol CG-SFT ³	Xanthan Gum	0.5
Optiphen ⁴	Phenoxyethanol, Caprylyl Glycol	1.0
Potassium Hydroxide	Potassium Hydroxide	0.2
<i>Phase B</i>		
Organic Emulsifying Wax¹	Beeswax, Lecithin, Copernicia Cerifera (Carnauba) Wax	8.0
Kester Wax K-56¹	Cetyl Stearate	6.0
Sunflower Oil ⁵	Helianthus Annuus (Sunflower) Seed Oil	3.0
Murumuru Butter ⁶	Astrocaryum Murumuru Seed Butter	2.0

Procedure

- Add Corn Starch to water and mix until fully hydrated, heating to 80°C.
- Premix Glycerin and Xanthan Gum, add to Phase A and mix until uniform.
- Add remaining Phase A materials. Combine Phase B ingredients and heat to 80-90°C, and add to Phase A.
- Mix at high speed for 30 minutes.
- Begin cooling to desired pour temperature; adjust pH to 6 – 7 as needed.

Stability Information:

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

Supplier Information:

1. Koster Keunen, Inc.; 2. Kinetik; 3. CP Kelco; 4. Brenntag Specialties; 5. Barentz; 6. ICS

Looking for additional formulas? Try our Formula Selector Tool at: kosterkeunen.com/pcformulationguide