

Active Hydration Lotion

Formula # 1/26-414/188/10098-6

Features

- Pumpable, moisturizing everyday lotion
- Stays put with a non-greasy feel
- All-natural formula

Skin Care

Emulsion

Natural/ Clean

Vegan

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%.

Bayberry Wax

Natural wax extracted from the Bayberry fruit. Low melt point solid, behaves like a butter in most formulations. Emollient, thickener, matte finish. Usage Level 0.5-15%.

Kester K-45

Light, non-greasy emollient derived from jojoba. Improves softness, spreadability, and after feel in leave-on formulas. Conditions skin and hair without buildup; adds glide, silkiness, and stability.

Trade Name	INCI Name	%
<i>Phase A</i>		
Deionized Water	Aqua	70.0
Glycerin	Glycerin	4.0
Siligel ⁵	Xanthan Gum (and) Lecithin (and) Sclerotium Gum (and) Pullulan	0.4
Lincoserve WpH-LO ⁶	Pentylene Glycol (and) Caprylyl Glycol (and) Propanediol (and) Ethylhexylglycerin	1.0
<i>Phase B</i>		
Kostol Natural E ¹	Behenyl Alcohol, Polyglyceryl-3 Stearate	4.5
Bayberry Wax ¹	Myrica Cerifera (Bayberry) Wax	3.0
Kester Wax K-48 ¹	Cetyl Palmitate	3.0
Kester K-45 ¹	Jojoba Esters	4.0
Lecinol S-10 ²	Hydrogenated Lecithin	0.1
Jeechem CTG ³	Caprylic/Capric Triglyceride	5.0
Cetiol CC ⁴	Dicaprylyl Carbonate	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 to 50 °C or under.
- Pour into desired containers.

Stability Information:

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

Supplier Information:

1. Koster Keunen, Inc.; 2. Barnet; 3. Vantage; 4. BASF; 5. Lucas Meyer; 6. Barentz

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