

Traditional Hair Conditioner

(featuring Kester Wax K-56)

Formula# 5/21-10013/128-2

Features

- Effective conditioner, detangler, frizz reduction
- Sulfate-free, clean ingredients
- Simple chassis, easy to modify

Hair Care

Emulsion

Clean / Natural

Vegan

Formula

Kostol TMC-25

Cationic o/w emulsifier. Sulfate-free, IPA-free. Provides excellent conditioning, detangling and frizz reduction in all hair care formulations. Promotes a powdery after-feel in skin care. Usage level 1-8%.

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%.

Cocoa Butter

Natural wax extracted from Cocoa beans. Low melt point solid, provides thickening, some structure, and nourishment to skin and hair. Emollient, thickener, glossy finish. Usage level up to 100%.

Trade Name	INCI Name	%
<i>Phase A</i>		
Deionized Water	Aqua	74.35
Disodium EDTA	Disodium EDTA	0.05
Optiphen ²	Phenoxyethanol, Caprylyl Glycol	1.0
Glycerin	Glycerin	5.0
Citric Acid	Citric Acid	0.6*
<i>Phase B</i>		
Kostol TMC-25¹	Cetearyl Alcohol, Behentrimonium Chloride	6.0
Kester Wax K-56¹	Cetyl Stearate	3.0
Cocoa Butter¹	Theobroma Cacao (Cocoa) Seed Butter	1.0
Cetyl Alcohol	Cetyl Alcohol	3.0
Schercodine S ³	Stearamidopropyl Dimethylamine	2.0
Belsil DM 100 ²	Dimethicone	4.0

Procedure

- Begin heating water to 80 °C and add Phase A ingredients one by one, mixing each until uniform.
- Combine Phase B ingredients, and heat to 80 – 85 °C until melted.
- Add Phase B to Phase A under agitation and mix at high speed until emulsion is uniform.
- Check pH* and adjust to 4-5 as necessary.
- Cool to 45 or under 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. Brenntag Specialties; 3. Lubrizol.

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