After Colour Care Conditioner (IT-11)

SeraShine® EM 506 has been specifically designed for conditioner formulations. It offers superior conditioning performance, making it ideal for use in intensive treatments for coloured hair. Locks are left looking healthy, soft and smooth.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Deionised Water	To 100	-	Vehicle
Glycerin	1.50	Surfac G995V/Surfachem	Humectant
Hydroxyethylcellulose	1.50	Natrosol 250 HHR-PC/IMCD (Ashland)	Thickener
Bis-(Ethyl PPG-3 Behenate) Dimonium Methosulfate (and) Behenamidopropyl Dimethylamine	1.00	Terraquat BD/Croda	Conditioning Fat
Citric Acid	0.33	Surfac Citric Acid Mono BP/Surfachem	pH Adjuster
Cetyl Alcohol	2.50	Crodacol C90/Croda	Bodifying Fat
Stearyl Alcohol	2.50	Crodacol S95/Croda	Bodifying Fat
Dimethicone (and) Silicone Quaternium-17 (and) C12-14 sec-Pareth-9 (and) Laureth-4	**7.81**	**SeraShine® EM 506/KCC Beauty**	**Conditioning Agent**
Phenoxyethanol (and) Benzyl Alcohol (and) Potassium Sorbate (and) Aqua (and) Tocopherol	1.00	Euxyl K700/Schülke	Preservative
Parfum (Fragrance)	0.50	-	Fragrance

Typical Properties

Appearance:	Viscous, white cream
Viscosity @ 25°C:	15000 - 30000cP (Brookfield Helipath, T bar C, 10rpm)
pH @ 25°C:	3.0 – 4.0

Method
Add the water to the vessel. Begin heating to 85°C.
Premix the glycerin with the HEC and add to the water. The product will thicken once fully dispersed.
Add the citric acid, stir until homogenous.
Add the fats, once at 85°C, ensure the fats have melted and transfer the batch to the homogeniser. Homogenise at 3000rpm for 3 – 5 mins, until the batch is white and smooth. Transfer back to the paddle stirrer and stir slowly, allowing to cool.
Once below 40°C, add the rest of the ingredients in order, stirring well between additions.
Check pH and viscosity.

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Please note that the above formulation is only intended as a guide. It is not a commercial formulation and has not been tested as such. The formulation should be evaluated and modified for your own requirements before use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.