

Ceramide Hair Care Serum (F# OLI-JA-534)

OLI-4888 1% + OLI-4706 3%

Phase	Trade Name	INCI Name	Supplier	Dosage (%)
A	GLYCERYL STEARATE	GLYCERYL STEARATE		2.00
	CETEARYL ALCOHOL	CETEARYL ALCOHOL		3.00
	PMX-200 (350cs)	DIMETHICONE		1.50
	DC 8500 Conditioning agent	BIS(C13-15 ALKOXY) PG-AMODIMETHICONE		1.00
B	Water	WATER		82.80
	EDTA-2Na	EDTA-2Na		0.10
	Natrosol™ 250HHR	HYDROXYETHYLCELLULOSE		0.30
	STEARTRIMONIUM CHLORIDE	STEARTRIMONIUM CHLORIDE		2.00
	OLI-4888 BEHENAMIDOPROPYL PG-DIMONIUM CHLORIDE	BEHENAMIDOPROPYL PG-DIMONIUM CHLORIDE		1.00
C	PEG-14M	PEG-14M		0.10
	Glycerin	GLYCERIN		3.00
D	OLI-4706 Hairnution® A	WATER & PANTHENOL & LAMINARIA DIGITATA EXTRACT & CETYL-PG HYDROXYETHYL PALMITAMIDE & GLYCERIN & XANTHAN GUM & CERAMIDE NS/ CERAMIDE NG & PHENOXYETHANOL & 1,2-HEXANEDIOL	OLI	3.00
E	Fragrance	FRAGRANCE		0.10
	Kathon® CG	MIXTURE OF METHYLCHLOROISOTHIAZOLINONE AND METHYLISOTHIAZOLINONE WITH MAGNESIUM CHLORIDE AND MAGNESIUM NITRATE		0.10

Process

- Phase A:** In the oil vessel, add RMs, turn on agitator & heating, target 80-85°C. mix until fully dissolved, maintain the temp. for 20 min;
- Phase B:** In the main vessel, add water, turn on agitator & heating, target 80-85°C, add rest RMs, mix until fully dissolved;
- At 80-85C, slowly transfer **Phase A** into **Phase B**, mix until uniform, homogenize the bulk for 3min;
- Phase C:** Add RMs in one clean container, mix until uniform;
- Add **Phase C** into **Phase B**, mix with homogenization for 1 min;
- Maintain the mixing, start cooling, target 40°C;
- When temp. reaches 55°C, add **Phase D**, mix with homogenization for 1 min, mix until uniform;
- When temp. reaches 40°C, add **Phase E**, mix until uniform, and discharge the bulk.

Note: The formula is for reference only, any concern regarding the formula stability & patent, test and/or varification maybe needed by your organization.