



## Botanical Anti-dandruff Clarifying shampoo (F# OLI-JA-729)

OLI-4902H 8% + OLI-2208 0.5% + OLI-4202 6% + OLI-4888 2%

Phase	Trade Name	INCI Name	Supplier	Dosage (%)
A	Water	WATER		57.50
	JAGUAR C 14S	GUAR HYDROXYPROPYLTRIMONIUM CHLORIDE		0.40
	EDTA-2Na	DISODIUM EDTA		0.10
	Citric Acid	CITRIC ACID		0.20
	AESA	AMMONIUM LAURETH SULFATE		12.00
B	K12A	AMMONIUM LAURYL SULFATE		6.00
	<b>OLI-4202 AQUA SODIUM LAUROYL SARCOSINATE</b>	<b>SODIUM LAUROYL SARCOSINATE</b>	<b>OLI</b>	<b>6.00</b>
	<b>OLI-4902H SODIUM METHYL COCOYL TAURATE</b>	<b>SODIUM METHYL COCOYL TAURATE &amp; SODIUM CHLORIDE &amp; WATER</b>	<b>OLI</b>	<b>8.00</b>
C	<b>OLI-4888 BEHENAMIDOPROPYL PG-DIMONIUM CHLORIDE</b>	<b>BEHENAMIDOPROPYL PG-DIMONIUM CHLORIDE</b>	<b>OLI</b>	<b>2.00</b>
	<b>OLI-5600</b>	<b>GLYCOL DISTEARATE &amp; GLYCOL STEARATE</b>	<b>OLI</b>	<b>1.50</b>
D	CMMEA	COCAMIDE METHYL MEA		2.00
	Sodium Chloride	SODIUM CHLORIDE		0.50
E	DM3112	DIMETHICONE & SODIUM DODECYLBENZENESULFONATE		1.50
	DM6058	AMODIMETHICONE & CETRIMONIUM CHLORIDE & TRIDECETH-10		1.00
	<b>OLI-4818 QUATERNIZED PANTHENOL</b>	<b>PANTHENYL HYDROXYPROPYL STEARDIMONIUM CHLORIDE</b>	<b>OLI</b>	<b>0.50</b>
	<b>OLI-2208 Olicoclean®-SF</b>	<b>SOPHORA FLAVESCENS ROOT EXTRACT &amp; POLYQUATERNIUM-51 &amp; POLYQUATERNIUM-61 &amp; OLEA EUROPAEA (OLIVE) FRUIT OIL &amp; CAPRYLIC/CAPRIC GLYCERIDES</b>	<b>OLI</b>	<b>0.50</b>
	Fragrance	FRAGRANCE		0.20
	Kathon® CG	MIXTURE OF METHYLCHLOROISOTHIAZOLINONE AND METHYLISOTHIAZOLINONE WITH MAGNESIUM CHLORIDE AND MAGNESIUM NITRATE		0.10

**Process:**

- Phase A:** In the main vessel add water, turn on the agitator & heating, target 80C, add rest RMs, mix until fully dissolved;
- Add **Phase B** in turn into main vessel, mix at 80-85C for 20min, make sure all RMs are fully dissolved;
- Add **Phase C**, mix until fully dissolved;
- Start cooling, target 40C. Adjust mixing speed lower, when temp. reaches 50-55C, add **Phase D**;
- When the temp. reaches 40-45C, add **Phase E**, mix until uniform, 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.