

# Natural Leave In Conditioner

Phase	Ingredient	INCI designation	%w/w	Supplier
A	Sucragel AOF	Glycerin, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Sucrose Laurate, Aqua	6.00	Alchemy
B	Abyssinian Oil	Crambe Abyssinica Seed Oil	1.00	Elementis
B	Activeshine Amazon	Orbignya Speciosa Kernel Oil, Astrocarium Murumuru Butter	2.00	Chemyunion
B	Shea Butter	Butyrospermum Parkii	3.00	Elementis
B	Sunflower Oil	Helianthus Annuus (Sunflower) Seed Oil	14.00	-
B	Natural Vitamin E	Tocopherol	0.10	BTSA
C	Water	Aqua	69.00	-
C	Sucrathix VX	Microcrystalline Cellulose, Cellulose Gum, Xanthan Gum	1.00	Alchemy
D	Dermasoft 1388 ECO	Glycerin, Aqua, Sodium Levulinate, Sodium Anisate	3.50	Dr. Straetmans
D	Dermafeel PA-3	Sodium Phytate, Aqua	0.10	Dr. Straetmans
D	Fragrance / Essential Oils	Fragrance / Essential Oils	0.30	-

## DESCRIPTION:

Thin white emulsion.

## MANUFACTURING PROCESS:

Heat Phase A to 70°C

Heat Phase B in another beaker to 70°C.

Using a propeller stirrer, slowly add Phase B into the Phase A mixing vigorously.

Increase the stirring speed and height of the propeller stirrer as the viscosity of the gel increases (it should increase as the oil is added).

Heat the water to 75°C

Disperse the Sucrathix into the water phase using a homogeniser.

Slowly add phase C into the oily gel under constant stirring. Finally homogenise for 5 minutes until the emulsion is homogenous.

When cooled to room temperature add Phase D.

## STABILITY TESTS:

On stability at 45°C

The preservative system in this formulation has not been challenge tested. Other systems can be used.

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