

regrow – follicle renewal night essence, with nightessence™ biofunctional

formula # Z432-4



claims to fame

follicle renewal night essence with premium lavender flower extract



clinically proven to boost hair density through follicle renewal during the night**



fast absorbing, leaves scalp feeling smooth and refreshed



clean, 98 % naturally derived*** and biodegradable****

description

a complete range of market-ready scalp care formulations for thinning hair, to boost hair density and strength through follicle renewal

This fast-absorbing lotion is developed for thinning hair to boost hair density and strength through follicle renewal. It is fast absorbing and leaves the scalp feeling smooth as well as being biodegradable with a high naturality of > 98.5 %.

ingredients:

nightessence™ biofunctional

A premium true lavender flower extract from Provence mountains for night-time treatments. For the first time, a biofunctional designed to target scalp needs at night, increasing the melatonin in hair follicles. Melatonin can mediate normal hair growth, promoting the anagen phase. Melatonin can also attenuate oxidative stress.

prolipid™ 141 lamellar gel

Versatile emulsifier-like suitable for many applications, Improves skin barrier function, Enhances skin hydration and reduces water loss, provides efficient shield against pollution, Delivers interesting sensory aesthetics

natrathix™ bio cellulose

nature-derived, readily biodegradable, COSMOS-validated cellulosic thickener with suspension capabilities that support stability of emulsions and increase viscosity of aqueous systems

typical properties

description: white lotion

pH: 4.5 – 5.0

viscosity: 17,500 – 20,000 cps / 25°C, (LVT, S64, 12 rpm)

this formula has passed 3-month accelerated lab stabilities* and a 28-day challenge efficacy test**

based on clinical testing of representative model formulations; *according to ISO16128 calculation; ****based on OECD criteria and an assessment of components



nature-derived

Meets ISO 16128-2:2017 50-99% natural origin content standard



natural

Meets ISO 16128-2:2017 100% natural origin content standard

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ingredients (trade name INCI)		% w/w	Supplier
phase a			
deionized water	Aqua	q.s. to 100 %	local
natrathix™ bio cellulose	Cellulose Gum	1.00	Ashland
phase b			
Deionized water	Aqua	10.00	local
n-hance™ ccg45 cationic guar	Guar Hydroxypropyltrimonium Chloride	0.30	Ashland
phase c			
prolipid™ 141 lamellar gel	Glyceryl Stearate (and) Behenyl Alcohol (and) Palmitic Acid (and) Stearic Acid (and) Lecithin (and) Lauryl Alcohol (and) Myristyl Alcohol (and) Cetyl Alcohol	3.00	Ashland
ceraphyl™ ods ester	Octododecyl Stearate	1.00	Ashland
cerasynt™ SD ester	Glyceryl Stearate	1.00	Ashland
phase d			
nightessence™ biofunctional	Butylene Glycol (and) Water (Aqua) (and) Lavandula Angustifolia (Lavender) Flower Extract	1.00	Ashland
optiphen™ bsb-w preservative	Benzyl Alcohol (and) Aqua (and) Sodium Benzoate (and) Potassium Sorbate	1.00	Ashland
phase e			
citric acid (50%)	Citric Acid	q.s.	local
total		100.00%	

procedure

1. phase a: add natrathix™ bio cellulose to water with good mixing until the solution is clear and homogeneous
2. phase b: in a separate beaker disperse n-hance™ ccg in water while mixing; then add the dispersion to phase a and continue mixing
3. heat the mixture to 80°C and add ingredients of phase c in order while mixing; then continue mixing until all of the ingredients are melted and the mixture is homogeneous
4. cool down to room temperature
5. add the ingredients of phase d during mixing
6. adjust pH with citric acid to 4.5 – 5.0

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