



Scalp-Fender Serum 394-1.16

This ultra-light lotion provides a preventative approach to premature exposed skin fatigue



	INGREDIENT	INCI NAME	SUPPLIER	FUNCTION	%
A	Deionized Water	Water	-	Vehicle	67.2
	Velsan® SC	Sorbitan Caprylate	Clariant	Preservative booster	1.50
	A-Leen® Aroma-3	Phenylpropanol	Minasolve	Preservative system	1.00
B	Siligel™ SF	Xanthan Gum (and) Lecithin (and) Sclerotium Gum (and) Pullulan	Lucas Meyer Cosmetics by Clariant	Gelling agent	1.50
C	Heliosoft™	Behenyl Alcohol (and) Glyceryl Behenate (and) Lecithin	Lucas Meyer Cosmetics by Clariant	Emulsifier/Texture enhancer	0.60
D	Beraca™ Andiroba Oil Refined	Carapa Guaianensis Seed Oil	Lucas Meyer Cosmetics by Clariant	Emollient	2.00
E	Pickmulse™	Sodium Starch Octenylsuccinate	Lucas Meyer Cosmetics by Clariant	Active	2.00
	Deionized Water	Water	-		20.0
F	IBR-SolAge™	Simmondsia Chineseis (Jojoba Oil) Seed Oil (and) Dunaliella Salina Extract	Lucas Meyer Cosmetics by Clariant	Active	1.00
	Exo-P™	Water (and) Butylene Glycol (and) Alteromonas Ferment Extract	Lucas Meyer Cosmetics by Clariant	Active	2.00
	Corneopeptyl™	Glycerin (and) Water (and) Hexapeptide-9	Lucas Meyer Cosmetics by Clariant	Active	1.00
	SO 067822	Fragrance	Sozio	Fragrance	0.20

Manufacturing Procedure:

1. Prepare and heat A at 75°C.
2. Sprinkle B under maximum stirring for 5 minutes (rotor stator homogenizer).
3. Heat D at 75°C.
4. Add C into D then CD into AB, under maximum stirring for 5 minutes (rotor stator homogenizer).
5. Cool down the formula below 40°C.
6. Prepare the premix E, disperse Pickmulse™ into water under maximum stirring for 10 minutes.
7. Add E under medium stirring for 5 minutes until the formula is homogeneous (tooth propeller).
8. Add F one by one under medium stirring.

Formula Specifications at D1:

Aspect: Off-white fluid emulsion
 Viscosity: (Brookfield LV, 25°C, spindle 3, 12rpm, 1min): 4000 - 8000 Cp
 pH: 6.0 - 7.0
 Challenge test: pass
 Pilot batch: 25kg

Stability Tests: On lab batch up to 3 kg

1 month at 50°C
 3 months at: Room Temperature, 4-8°C and 45°C
 Freeze thaw cycles (24h at -18°C and 24h at 45°C – 3 cycles)
 D1 Centrifugation (3000 rpm, 20 min)
 D1 Vibrating table (400 rpm, 4h)

FORMULATION FEATURES

- Exposed scalp defending serum
- Second-skin sensory feel
- Smart functional dosage
- Gentle preservation

FUNCTIONAL INGREDIENTS

Siligel™ SF (1.5%) – Gelling agent

- Eco-conscious gelling agent
- Silicone-like touch

Heliosoft™ (0.6%) – Co-Emulsifier

- Supple texture
- Incredible softness

ACTIVE INGREDIENTS

IBR-SolAge™

- Fighting Glyc-aging™ with pink algae power

Pickmulse™

- Powdery soft finish
- Sebum and sweat shine regulation

Corneopeptyl™

- Biomimicking peptide for enhanced skin barrier

Exo-P™

- Biotech shield against urban pollution & smog

Beraca™ Andiroba Oil Ref

- Incredible glide and soothing properties
- Amazonian treasure oil

RICHNESS



PROCESS



APPLICATION



NOI (ISO16128)

99,73%

