

SCALP CARE SHAMPOO

Formula

A	Guar Hydroxypropyltrimonium Chloride Water SEPIMAX ZEN	0.20% QS to 100% 0.20%
B	EDTA-Na2	0.05%
C	Sodium Lauryl ether Sulfate 70% AMONYL 380 BA ORAMIX NS 10 Glycol Distearate Coconut Ethanol Amide	16.00% 7.50% 3.00% 1.50% 1.60%
D	LIPACIDE C8G LIPACIDE UG NaOH(30%) water	0.40% 0.60% 0.60% 10.00%
E	Polyquaternium-7 Dimethicone and Laureth-23 and Laureth-3 Dimethiconol and TEA-Dodecylbenzene Sulfonate DMDM Hydantoin Fragrance NaCl	2.00% 1.50% 1.50% 0.10% 0.30% 1.20%

Procedure

Lab scale – 400g

1.Add Guar and Sepimax ZEN into water in main tank and disperse it well. 2.Heat main tank to 60°C, Introduce B and mix it well. 3.Add phase C and heat to 80 °C and keep 10 minutes. Stir it at 80rpm under anchor stirring and cool down. 4.Neutralize C8G&UG with NaOH + water in a beaker and add it into main tank at 50°C. 5.Add phase E one by one at 45°C under anchor stirring. 6.Stop stirring at 30 °C.

Characteristics

• Appearance	Pearlescent white fluid
• pH	6.0
• Viscosity 3M at RT	11200 mPa.s BROOKFIELD LV63 6rpm
• Viscosity after 1M at 45°C	2000 mPa.s BROOKFIELD LV62 6rpm
• Viscosity recovery at RT (after 1M at 45°C)	11700 mPa.s BROOKFIELD LV63 6rpm
• Stability	M3 stable at RT / 45° C/-18°C Stable after 1 month of freeze/thaw -5/40°C



- **Packaging:** PET clear bottle
- **Appearance:** Pearlescent
- **Combination of Lipacide C8G and UG gives multiple functions:** participate to soothe your scalp, combat dandruff, control oil, could help fighting hair loss and protect formula. Both actives are Ecocert.
- **SEPIMAX™ ZEN helps stabilize the formula while also providing slip and smoothness on dry hair.**



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Raw materials from SEPPIC

SEPIMAX™ ZEN

Polyacrylate Crosspolymer-6

Powder polymer with a MAXIMUM resistance to electrolytes thanks to its high associative behaviour. Stable from pH 2 to 8, it enables the creation of formulas with a specific skin feeling: rich, velvety and elegant. It is now possible to formulate transparent aqueous gels, cream-gels and emulsions with any kind of active ingredients and to achieve ZEN !

LIPACIDE™ C8G

Capryloyl Glycine

A glycine biovector and skin acidifying agent, it protects the skin and helps maintain its ecosystem. It also protects cosmetic products by increasing the microbiological stability of formulas with a low preservative content. **Validated by ECOCERT®**

LIPACIDE™ UG

Undecylenoyl Glycine

A sebo regulator and protector of the ecosystem, LIPACIDE™ UG helps improve dandruff conditions through its double soothing and antifungal action. It also protects cosmetic products by increasing the microbiological stability of formulas with a low preservative content. **Validated by ECOCERT®**

ORAMIX™ NS10

Decyl Glucoside

Foaming, non-ionic plant-derived surfactant which offers excellent tolerance and an anti-irritant effect in relation to Sodium Lauryl Ether Sulfate. It has excellent foaming properties and facilitates thickening, making it possible to formulate with no copra amides. It minimizes skin dryness caused by regular use of surfactant solutions. **Validated by ECOCERT®**

AMONYL 380 BA

Cocamidopropylbetaine

Co-surfactant that offers a particularly fine and stable foam over time. Combined with Sodium Lauryl Ether Sulphate it facilitates the thickening of surfactant systems. **Validated by ECOCERT®**

Other raw materials...

- Guar Hydroxypropyltrimonium Chloride: Jaguar C-14S (Rhodia)
- Sodium lauryl ether sulfate: EMAL 270S (Kao)
- Glycol Distearate: EGDS 515/V (Cognis)
- Coconut Ethanol Amide: CEMA (Rhodia)
- Polyquaternium-7: MERQUAT-550 (Lubrizol)
- Dimethicone and Laureth-23 and Laureth-3: PM 1491 (Dow corning)
- Dimethiconol and TEA-Dodecylbenzene Sulfonate: PM 1785 (Dow corning)
- DMDM Hydantoin: Microcare DH(Thor)
- Fragrance: Frag86315101 (DROM)