



- Yellow gel
- Packaging: tube
- Association of PROTEOL™ APL+ Oramix™ CG110 + Oramix™ NS10 generates an important, dense and stable foam over time ; this surfactant system provides excellent mild property.
- CAPIGEL™ 98 is the thickener in the formula , associated with Glucamate VLT, it is very useful to thicken amino acid surfactant system.
- Aquaxyl™ moisturizes skin while improving the foam quality.



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Formula		
A	Water Disodium Edta <b>PROTEOL™ APL</b> <b>ORAMIX™ CG110</b> <b>ORAMIX™ NS10</b> <b>AMONYL™ 380BA</b> Phenoxyethanol & Ethylhexylglycerin Benzophenone-4 Peg-7 Glyceryl Cocate Panthenol Peg-120 Methyl Glucose Trioleate	Up to 100% 0.05% 9.00% 4.00% 5.00% 8.00% 1.00% 0.20% 0.50% 0.50% 2.00%
B	<b>CAPIGEL™ 98</b> water	4.00% 10.00%
C	Triethanolamine (50%) Polyquaternium-7 <b>AQUAXYL™</b> Unicert Yellow 4# (1%)	1.80% 1.00% 1.50% 0.01%

**Procedure**  
**Lab-Anchor (300g)**

Add water into beaker, then add APL, CG110, NS10, 380BA, mix it uniformly, heat it to 50-60°C, add Escalol 577, VLZ, HE and Dpanthenol, mix it uniformly. Cool down to 40°C, premix phase B, then add phase B into phase A, mix it uniformly. Add phase C one by one, mix it until clear.

Characteristics	
Appearance	Yellow gel
pH	6.5
Viscosity 1M at RT	3500 cps (Brookfield DV1 S63/V6)
Viscosity 1M at 45°C	320 cps (Brookfield DV1 S63/V6)
Viscosity recovery at RT (after 1M at 45°C)	3000 cps (Brookfield DV1 S63/V6)
Stability*	M1 Stable at RT, 45°C and 4°C Stable after M1 of freeze/thaw cycles -5 / +40°C

## Raw materials from SEPPIC

### PROTEOL™ APL

#### Sodium Cocoyl Apple Amino Acids

Fruit surfactant, derived from essential amino-acids present in apple juice, for a gentle approach: unctuous foam, extremely mild to the skin and the eyes and also respectful of the environment.

### ORAMIX™ CG110

#### Caprylyl Capryl Glucoside

Non ionic surfactant of vegetable origin which provides a fine, abundant foam. Ideal for solubilizing essential oils, fragrances and cationic surfactants in foaming formulas.

### ORAMIX™ NS10

#### Decyl Glucoside

Very well-tolerated surfactant from vegetal origin, this gentle cleanser provides an abundant and stable foam.

### AMONYL™ 380BA

#### Cocamidopropyl Betaine

Betaine that provides a fine foam that is stable over time.

### CAPIGEL™ 98

#### Acrylates Copolymer

Ready-to-use thickening liquid polymer that creates high viscosity in aqueous media following neutralization (pH> 6.5). It also produces perfectly clear gels with a good resistance to electrolytes and polar solvents.

### AQUAXYL™

#### Xylitylglucoside & Anhydroxylitol & Xylitol

Thanks to a harmonization of moisture flow, Aquaxyl™ moisturizes and strengthens the hair: maintains moisture deep in the hair, protects the integrity of hair fibers. Moreover, it improves the foam quality.

## Other raw materials...

- Phenoxyethanol & Ethylhexylglycerin: **EUXYL PE9010 (S&M)**
- Benzophenone-4: **ESCALOL 577 (ASHLAND)**
- PEG-7 Glyceryl Cocate: **CETIOL HE (BASF)**
- Peg-120 Methyl Glucose Trioleate: **Glucamate VLT (LUBRIZOL)**
- Polyquaternium-7: **P7 (3V)**