



- **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.**


EP171001-0417
Formula

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