



HAIR CARE

EU07603A | ECO-LOW SHAMPOO

Nourishing cleanser for dry hair



High biodegradability

Easily rinsed-off

Good foaming and anti-frizz performances

* Data provide from OECD tests, QSAR calculations, products SDS and literature.

A	Aqua/Water	Up to 100%
	Sodium Benzoate	0.50%
	Tetrasodium Glutamate Diacetate	0.30%
	Polyquaternium-10	0.25%
	AMONYL™ 675 SB	10.00%
	ORAMIX™ NS 10	1.00%
	ORAMIX™ L30 EF	5.00%
	PROTEOL™ OAT PF	5.00%
	XYLISHINE™	3.00%
	Citric acid (solution 50%)	qs pH

With WESOURCE



Clear liquid slightly yellow

Challenge test: Criteria B

Packaging: Bottle

pH: 5.3

VISCOSITIES: 1M at RT: 4,010 mPa.s Brookfield LV2-6

Recovery at RT (after 1M at 45°C): 3,000 mPa.s Brookfield LV2-6.

STABILITY: 2M at RT, 45°C and 4°C.

FORMULATION ADVICES: Laboratory scale - 300 g - Anchor

Add the water, sodium benzoate and dissolvin. Mix well between each addition. Add Polyquaternium-10 pendant and mix for 10 minutes. Add all the ingredients one by one in the order mentioned until they are completely dissolved. Finally, adjust the pH to around 5.3.



COLD PROCESS

Formulated **without silicones or alkyl ether sulfates**, this moisturizing shampoo combines **sustainability and performances!**

A sustainable shampoo to pamper dry hair

This shampoo was designed to **limit environmental impact**: active matter content was reduced to **8.5%** and ingredients were selected for their **biodegradability profile**.

As a consequence, non-biodegradable ingredients release in water was reduced while **product rinsability** was optimized to **limit water consumption** at consumer stage (*in vitro screening test*).

ORAMIX™ L30 EF (Sodium Lauroyl Sarcosinate)

respects the structure of the hair and scalp and provides abundant, light and soft foam.

ORAMIX™ NS 10 (Decyl Glucoside)

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

PROTEOL™ OAT PF (Sodium Lauroyl Oat Amino Acids)

is a mild surfactant, based on oat essential amino acids, which develops good wetting properties and an abundant unctuous foam.

AMONYL™ 675 SB (Cocamidopropyl Hydroxysultaine)

provides a fine foam that is stable over time and a significantly greater conditioning properties in comparison to classical betaines.

This optimized combination of surfactants allows the obtention of a **textured gel without thickener** that **quickly creates a dense and creamy foam** even with only 8.5% a.m!

Shampoo **conditioning efficacy** is ensured by PQ-10, used at low content, while **XYLISHINE™** (Xylitylglucoside - Anhydroxylitol - Maltitol - Xylitol and Pelvetia Canaliculata Extract) **moisturizes and repairs hair**: it helps maintain the deep hydration of the hair and protect the fiber.

As a result, hair fiber is smoothed and **frizz effect limited**.

ADDITIONAL INGREDIENTS: Polyquaternium-10 - **DEKAQUAT 400 (JAN DEKKER)** / Polyepsilon-Lysine - **E-POLYLYSINE (DKSH)** / Sodium benzoate (VWR)

A formula related to **BEAUTY TRILOGY** concept.

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Air Liquide
HEALTH CARE

A company