

CLEAR APPLE CLEANSING JELLY

Sulfate-free mild cleansing effect



- **Foaming green jelly**
- **Packaging: bottle**
- **Transparent sulfate-free formula thickened thanks to ELICLEAR™ 4U**
- **PROTEOL™ APL allows a daily mild cleansing**
- **AQUAXYL™ provides moisturizing**
- **LIPACIDE™ C8G & UG ensures the skin's acid mantle integrity. Sensitive skin is fully protected!**



AS40033-1305

Formula

A	PROTEOL™ APL	10.00 %
	ORAMIX™ NS10	2.00 %
	Disodium EDTA	0.20 %
	Cocamide MEA	1.80 %
	AMONYL™ 380BA	8.00 %
	D.I.Water	Up to 100 %
B	ELICLEAR™ 4U	10.00 %
	D.I.Water	20.00 %
C	Sodium Hydroxide (30.0%)	1.40 %
D	LIPACIDE™ C8G	0.25 %
	LIPACIDE™ UG	0.25 %
	Sodium Hydroxide (30.0%)	0.30 %
	D.I.Water	6.80 %
E	AQUAXYL™	1.50 %
	DMDM Hydantoin	0.30 %
	Fragrance	0.50 %
	Jjoba Esters	0.30 %
	Green Color (0.1%)	2.00 %

Procedure

Lab scale – 300g

1. Mix phase A well and heat to 70°C, stir it with cross stirrer at 100rpm till dissolving completely.
2. Cool down to 50°C.
3. Mix phase B well. Add it in phase A and mix it well.
4. Add phase C into phase A+B and mix it well.
5. Mix the phase D well and heat to 75 °C, stir it at 100rpm for 15min and cool down to 30°C.
6. Add phase D in to the mixture and stir it for 10 min.
7. Add ingredients of phase E one by one into the mixture and mix it well.

Characteristics

- Appearance: Clear green jelly with beads
- pH: 6.7
- Viscosity 1M at RT: 30000 mPa.s BROOKFIELD LV64 6rpm
- Viscosity 1M at 45° C: 9800 mPa.s BROOKFIELD LV63 6rpm
- Viscosity recovery at RT (after 1M at 45° C): 30000 mPa.s BROOKFIELD LV64 6rpm
- Stability: 3M Stable at RT / 45° C/-18°C
Stable after 1 month of freeze/thaw -5/40°C

Raw materials from SEPPIC

PROTEOL™ APL

Sodium Cocoyl Apple Amino Acids

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

ORAMIX™ NS10

Decyl Glucoside

Very well-tolerated surfactant from vegetal origin, This gentle cleanser provides an abundant, stable foam. Cosmos, Ecocert and Natrue approved

AMONYL™ 380BA

Cocamidopropyl Betaine

Provides a fine foam that is stable over time. Ecocert approved.

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. Ecocert approved.

LIPACIDE™ UG

Undecylenoyl Glycine

Dermo-protective thanks to its natural acid structure, LIPACIDE™ UG protects the skin's acide mantle. It brings an efficient and gentle deodorant activity while respecting the arm pit's sensitive skin area. Ecocert approved.

AQUAXYL™

Xylitylglucoside & Anhydroxylitol & Xylitol

AQUAXYL™ moisturizes and restructures the skin by harmonizing the hydric flow of the skin. Water reserves are instantly boosted, water circulation is improved in all skin layers and water loss is reduced (in vitro and in vivo tests prove this efficacy). It's mechanism of action has been validated by cosmetogenomics. Ecocert and Natrue approved.

ELICLEAR™ 4U

Acrylates Copolymer

Smart technology that delivers clarity plus suspension. Presented in an easy-to-use liquid form, ELICLEAR™ 4U, thickens surfactant based media, suspends various particles of all sizes, is compatible with all types of surfactants and delivers superior clarity. Its synergistic effects with salt combined with foam texturizing properties and versatility in sulphate-free applications as well as traditional hygiene chassis make it the ultimate choice for affordable and luxurious personal cleansing applications.

Other raw materials...

- Cocamide MEA: COMPERLAN 100C (COGNIS)
- DMDM Hydantoin: Microcare DH (THOR)
- Jjoba Esters: Pellets Blue 01 (40/60) (PUNE)
- Fragrance: 61304865 (DROM)
- Green color: F.D&C Green (HUADA)