

**GELTRAP™ EMULSION
BODY CARE
“CHILLED CUSHION” TEXTURE**



Overview

- Blue Geltrap™ emulsion
- Packaging: tube
- New galenic form enriched with water: Geltrap™ emulsions
- Cold process under gentle stirring gives novel textures with Easynov™.
- Geltrap™ provides an easy method of formulating with solvents used in cosmetics such as ethanol, glycols, glycerine & sorbitol
- Fresh touch contributed by 15% of alcohol.



EU06936G - 0607

Formula

A	Aqua/Water	Up to 100 %
	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0,20 %
	TEA	0,80 %
B	SIMULGEL™ 600	1,30 %
	Glycerin	3,00 %
	Colorant/colour	Up to
	Alcohol 95°	15,00 %
C	LANOL™ 99	4,00 %
	EASYNOV™	2,50 %
	Parfum/Fragrance	0,60 %
	Ethylhexyl Glycerin	0,20 %

Procedure

(DUMEK - Rotor Stator - 2kg)

Weigh water in the main tank then wet the PEMULEN, add TEA and homogenize at 700 rpm (rotor stator). Add successively ingredients in B while homogenizing at 700 rpm between each addition. Prepare separately the fatty phase C and add it in one step onto the gel, then mix for 20' with a planetary. After 5', start the homogenizer (moderate speed) for 5' to get thin emulsion.

Characteristics

Appearance	ice blue emulsion
Type of emulsion	W/O (no conductivity - not water-soluble)
Viscosity at RT after 1 month	117,000 mPa.s RV7 BROOKFIELD sp. 5
Viscosity at 45°C after 1 month	98,000 mPa.s RV7 BROOKFIELD sp. 5
Recovery of viscosity at RT (after 1 month at 45°C)	117,000 mPa.s RV7 BROOKFIELD sp. 5
Stability	Stable at room temperature and 45°C Stable after one month freeze-thaw cycles -5°C/+40°C Stable when centrifuged at RT. - 20' - 3000 rpm

Raw materials from SEPPIC

EASYNOV™

Octyldodecanol & Octyldodecyl Xyloside & PEG30 Dipolyhydroxystearate

Liquid lipophilic emulsifier. Easynov™ allows to realize emulsions through a cold process with gentle stirring. These GELTRAP™ emulsions have an internal gelled aqueous phase which is enriched in water. This novel formulation form provides surprising textures, giving to the formula freshness and cushion effect.

SIMULGEL™ 600

Acrylamide/Sodium Acryloyldimethyltaurate Copolymer and Isohexadecane and Polysorbate 80

Thickening and emulsifying agent in the form of liquid. Very easy to use (neither predispersion nor neutralization). Within GELTRAP™ emulsions, it easily thickens the internal aqueous phase and makes the emulsions feasible and stable (coalescence of the water droplets reduced).

LANOL™ 99

Isononyl Isononanoate

Silky ester

Other raw materials...

- Fragrance: **GIABAZ G91.21544 (ROBERTET)**
- Coloring agent: **w6010 (WACKKHER)**
- Acrylates/C10-30 Alkyl Acrylate Crosspolymer: **PEMULEN TR2 (NOVEON)**