

Oil in Water Light Lotion

Low Cost



O/W Emulsion



MONTANOV™ 202 is a natural emulsifier that provides Liquid Crystal system ideal to fight against drying skin and stabilizes emulsions.

EMOSMART™ V21 provides emollience and suppleness to the skin.

SEPI NOV™ EMT 10 and SOLAGUM™ AX thickening, stabilizing emulsions and bring a “satin” feel to skin.



US20095-1804

Formula

A	Water Glycerin	82.4% 5.0%
B	Montanov™ 202 Emosmart™ V21 DUB GMS* DUB PO*	0.5% 5.0% 3.0% 2.0%
C	Sepinov™ EMT 10 Solagum™ AX Phenoxyethanol and Ethylhexylglycerin	0.7% 0.3% 1.0%
D	Fragrance	0.1%

Procedure

300 gram batch - Homogenizer & Overhead mixer

Combine phase A and heat to 85°C. Combine phase B and heat to 85°C. When phase B is completely melted, add phase C one by one to phase B and mix well. Once both phases A and BC are at 85°C, combine them together and homogenize at 4,000 RPM for 4 minutes. Cool down the batch with low shear mixing at 100 RPM to 40°C and then add phase C then continue to cool to ambient temperature.

Characteristics

Appearance	White Smooth Cream
pH	5.3
Viscosity 1M at RT	41,397 cps Brookfield LV 96 @ 6 rpm
Viscosity 1M at 45°C	24,890 cps Brookfield LV 96 @ 6 rpm
Viscosity recovery at RT (after 1M at 45°C)	49,800 cps Brookfield LV 96 @ 6 rpm
Stability*	Passed Freeze/Thaw 3 Cycle -5/40°C and 3 month at 45°C and RT

Raw materials from SEPPIC

MONTANOV™ 202

Arachidyl Alcohol & Behenyl Alcohol & Arachidyl Glucoside

Natural glucolipid emulsifier derived from vegetable origin that provide Liquid Crystal system. It plays a role in maintaining skin moisturization over time and stabilization of emulsions, Thanks to liquid crystals which contain water, MONTANOV™ 202 helps to keep skin moisturized. Ecocert and Natrue approved.

EMOSMART™ V21

C18-21 Alkane

EMOSMART™ V21 is a high-purity, non polar and biodegradable emollient. It shows an excellent compatibility with all types of oils. It allows to obtain fresh textures with a soft finish and matt veil. Inert and stable, it can be used in all types of applications, even in extreme conditions (pH, oxidizing/reducing media...).

SEPI NOV™ EMT 10

Hydroxyethyl Acrylate / Sodium Acryloyldimethyl Taurate Copolymer

Powder polymer «2-in-1», thickening in a wide pH range (3-12), ready to use, with an excellent stabilizing properties at low level and in presence of a high % of oily phase. Sensory profile: “satin” touch, fresh, glide-on.

SOLAGUM™ AX

Acacia Senegal Gum & Xanthan Gum

Rheology Modifier-The benefits of the xanthan without the drawbacks, nice film forming properties. Make translucent gels with suspendable properties

Other raw materials...

* Glyceryl Stearate: DUB GMS (S. DUBOIS)

* Ethylhexyl Palmitate: Dub PO (S.DUBOIS)

Phenoxyethanol and Ethylhexylglycerin: Euxyl PE 9010 (Schülke Inc.)

Glycerin (Natural Sourcing)

Fragrance Red Velvet (Givaudan)

*Distributed by Seppic Inc. in the USA