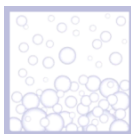


ANHYDROUS SUGAR SCRUB WITH AHA



- **Appearance:** translucent emulsion enriched by with white sugar gains
- **Packaging:** pot
- **Application :** exfoliating scrub for the body to use in the shower or bath, on wet skin

- This anhydrous heating scrub contains a high amount of glycerin. It's enriched by a duo of exfoliating ingredients: sugar grains + AHA, for a smooth and ultra-soft skin
- SEPI NOV™ EMT 10 is a performing polymer to emulsify high quantity of glycerin: at low dosage, it stabilizes and thickens to give a high viscosity anhydrous gel. SEPI MAX™ ZEN helps to reinforce stability challenged by stressful actives (glycolic acid + lactic acid).
- MONTANOV™ 82 is selected as an emulsifier compatible with high dosage of actives. It is also recommended in hygiene for its good water rinsing.
- EMOGREEN™, a new generation of non-polar oils from vegetable origin, are totally inert & non-oxidisable alkanes and are perfectly resistant to acidic pH.
- SEPI CALM™ VG WP offers it soothing power to chemical aggressions (AHA), CODIAVELANE™ brings its hydrating power.



Formula		
A	MONTANOV™ 82 EMOGREEN™ L15 EMOGREEN™ L19	1.00% 2.00% 3.00%
B	Glycerin	31.35%
C	SEPI NOV™ EMT 10 SEPI MAX™ ZEN	0.30% 0.10%
D	Glycolic acid Lactic acid	1.00% 0.50%
E	Sodium Hydroxide (40%)	0.45%
F	SEPI CALM™ VG WP CODIAVELANE™ BG PF Fragrance Coconut Oil	2.00% 2.00% 0.30% 1.00%
G	Sucrose	55.00%

Procedure
Laboratory – 2kg

Melt phase A at 85° C. Do the same for phase B. Add phase C into the hot phase A. At 85° C, emulsify and add glycerin into A+C and homogenized with the deflocculated disc stirrer at about 2 000 rpm during 4 minutes. Cool it down under a slower agitation around 1 000 rpm until 50° C. Add phase D then E and adjust pH at 4. It is important to neutralized before addition of SEPI CALM VG WP to avoid its re-crystallization . At 40° C, add one by one ingredients of phase F under agitation around 500 rpm. At room temperature, add sugar and stop agitation when the emulsion is totally homogeneous.

Characteristics	
Appearance	Translucent shiny thick emulsion
pH	4.10
Viscosity 1M at RT	150 000 mPa.s S7S5
Appearance 1M at 45° C	Translucent shiny thick emulsion
Stability	Stable at RT and 45° C

Raw materials from SEPPIC

MONTANOV™ 82

Cetearyl Alcohol and Coco-Glucoside

Glucolipid emulsifier derived from vegetable origin. MONTANOV™ 82 is especially well-suited for formulations with a high concentration of active ingredients.. Ecocert, Cosmos and Natrue approved.

EMOGREEN L15 - C15-19 Alkane (renewable)

EMOGREEN L19 - C15-19 Alkane (renewable)

Non polar and biodegradable, bio-sourced emollients. Alternatives to volatile silicone oils. These high purity vegetable alkanes are conformed to Cosmos and Natrue. Inert and stable, they can be used in all types of applications, even in extreme conditions (ph, oxidizing/reducing media...). EMOGREEN™ L15, beyond the lightweight and non-greasy skin feel, gives a powdery finish. EMOGREEN™ L19 gives a fresh and gliding touch, with a soft afterfeel.

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

SEPI MAX™ ZEN

Polyacrylate Crosspolymer-6

Powder polymer with a MAXIMUM resistance to electrolytes thanks to its high associative behavior. Stable from pH 2 to 8, it enables the creation of formulas with a specific skin feeling, included foaming formulas: rich, velvety and elegant.

CODIAVELANE™ BG PF

.Butylene Glycol/Aqua-Water/Codium Tomentosum Extract

Water soluble active extracted from "velvety alga" to facilitate high hydration by its richness in marine sugars.

SEPI CALM™ VG WP

Sodium Palmitoylproline and Nymphaea Alba Flower Extract

A successful marriage between palmitoylproline and water lily flower extract reaching a unique soothing and lightening effect.

Other raw materials...

- Glycolic acid : ACROS ORGANIC
- Lactic acid: VWR CHEMICALS
- Fragrance: Parfum coco (TECHNICO FLOR)
- Coconut oil: Huile de coco (SOPHIM)
- Sucrose : White sugar (Drugstors)