


**O/W
Emulsion**

- Slightly yellow cream
- Packaging: tube

- Formula rich in oils from vegetable origin associated with natural gum (combination well-known to generate a soaping effect)
- High % of emulsifier selected to create an unfavourable condition in order to maximize the soaping effect and demonstrate that **SIMULGREEN™ 18-2** is able to prevent “whitening” effect during application. No soaping effect (sensorial analysis: method 57CO082)

- To conclude : if you incur a soaping effect problem in a green O/W emulsion, replace your usual emulsifier + fatty alcohols with **SIMULGREEN™ 18-2**.
- Good preservation with 1.25% Aminat CB: criteria A obtained by challenge test (European Pharmacopea)


EU07207A - 1302
Formula

A	LANOL™ 2681	10.00%
	Prunus Amygdalus Dulcis (Sweet Almond) Oil	10.00%
	Tocopherol	0.05%
B	Aqua/Water	Up to 100%
	SIMULGREEN™ 18-2	4.00%
	Benzyl alcohol & Glycerin & Ethyl Lauroyl Arginate HCl & cinnamic acid	1.25%
C	Xanthan Gum	0.50%
D	NaOH 6%	Qs pH = 5-5.5

Procedure

Heat A and B at 75° C. Add xanthan gum into oil phase at 75° C. Emulsify with silverson at 4000 rpm during 4 min. cool down with anchor during 20 min. Adjust to pH 5-5.5

Characteristics

Appearance	Slightly yellow cream
pH	5
Viscosity 1M at RT	21000 mPa.s Brookfields S4 sp.6
Viscosity 1M at 45° C	21500 mPa.s Brookfield S4 sp.6
Viscosity recovery at RT (after 1M at 45° C)	31 000 mPa.s Brookfield S4 sp.6
Stability	1M at RT, 45° C

SIMULGREEN™ 18-2
Hydroxystearyl Alcohol & Hydroxystearyl Glucoside

Emulsifier from vegetable origin with a structure designed to respect the environment and provide versatile emulsifying properties: stabilizes all nature of oils (performs at just 1% with vegetable oils) over a broad pH range (3-10).

Its sensory profile is exceptional: no soaping effect regardless of the oily phase and an « invisible » presence with a nude skin sensation during application and a lasting softness.

LANOL™ 2681
Coco-Caprylate Caprate

Emollient texturizing agent with light and soft texture.

AMINAT™ CB
Benzyl alcohol & Glycerin & Ethyl Lauroyl Arginate HCl & cinnamic acid

An ECOCERT®, broad spectrum preservative very easy to use from natural origin.

Other raw materials...

- Prunus Amygdalus Dulcis (Sweet Almond) Oil : **Huile d'amande douce (BERTIN)**
- Tocopherol : **DL alpha Tocophérol (BASF)**
- Xanthan Gum : **Keltrol CG-T (KELCO)**
- Benzyl alcohol & Glycerin & Ethyl Lauroyl Arginate HCl & cinnamic acid: **Aminat CB (Vedesque)**