



SABOSOL RF

INCI Name: COCO-GLUCOSIDE; SQUALANE; SODIUM SURFACTIN.

CAS Number: 68515-73-1 + 110615-47-9 + 111-01-3 + ND

Preservatives: Sodium Benzoate, Potassium Sorbate

Patent Number: WO 2017/179356

General Information

SABOSOL RF is a natural biomimetic skin lipid product designed to protect and restore skin barrier. It is a skin Lipid Layer Enhancer that contains a saturated vegetal squalane, which is a natural component of sebum (12%), very close to human skin lipids.

Properties of components

Squalane is a biomimetic skin lipid with emollient properties without creating a greasy or sticky feel. In addition, it's also an effective conditioning agent for hair. It reduces foam's bubbles size and it improves cushion foam.

Coco-glucoside is a sulfate-free, gentle and mild surfactant and acts as an excellent foaming agent creating a smooth, luxurious lather specifically designed for sensitive skin.

Sodium Surfactin is a natural, mild and stable bio-surfactant produced by fermentation with extremely low critical micellar concentration and environment friendly.

Applications

- Shower gels, foam baths, liquid soaps
- Baby cleansing
- Face and body cream lotion
- Hair products
- Sun and after sun products

Use level

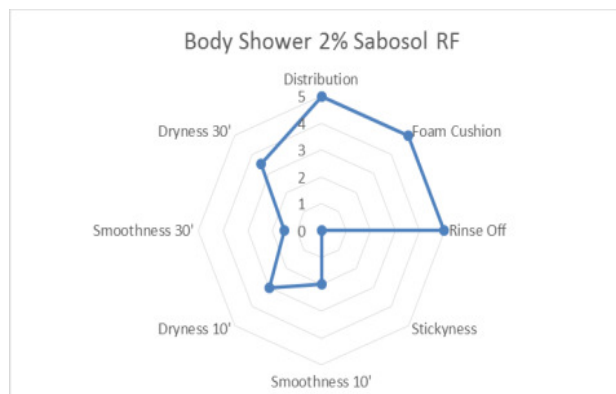
0,5 – 10%

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Sensory analysis diagram

The 2% concentration of Sabosol RF for the In-vivo testing was decided after a first sensorial evaluation in SABO application lab. in a rinse-off formulation.



The formulations showed a perceivable sensorial benefit in the rinse-off formulation after washing starting this concentration.

Preliminary In-vivo test

In-Vivo TEWL Clinical test results:

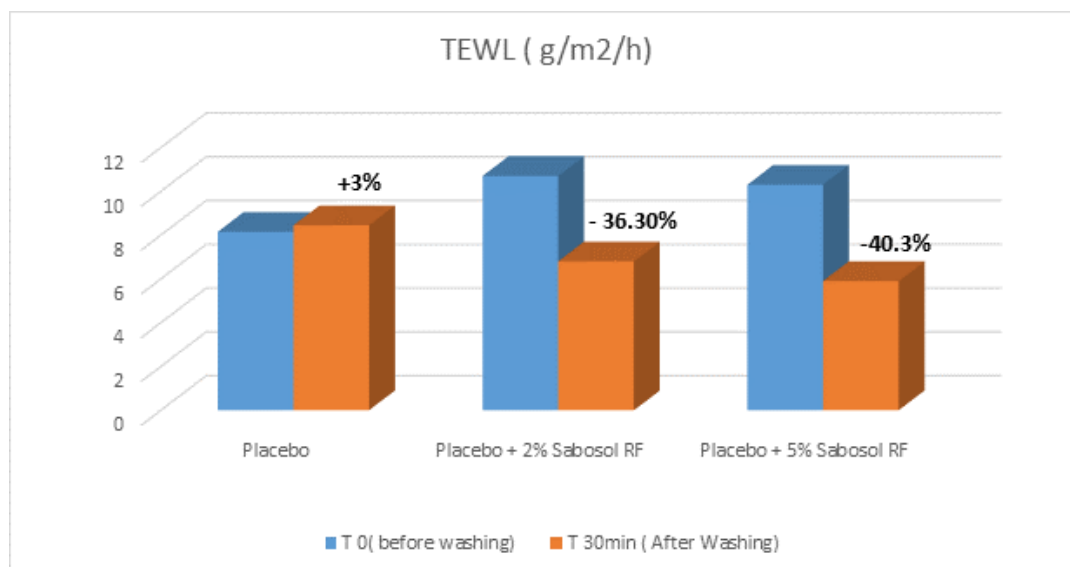
- Area of application: forearms.
- Measurements taken before and 30' after washing.
- Test formulation of Body wash with and without Sabosol RF.

	INCI	PLACEBO	PLACEBO + 2% SOL RF	PLACEBO + 5% SOL RF
<i>Phase I</i>		98,12	98,02	97,02
SABOSOL EM-S	Sodium Laureth Sulfate	14,4	14,4	14,4
SABOSOL PB	Cocamidopropyl Betaine	4,8	4,8	4,8
SABOSOL L 30	Sodium Lauroyl Sarcosinate	7,7	7,7	7,7
SABOSOL RF	Coco-Glucoside; Squalane; Sodium Surfactin	0	2	5
SABODERM SHO	PEG-200 Hydrogenated Glyceryl Palmate; PEG-7 Glyceryl Cocoate	1,9	1,9	2,0
WATER, Demin.	Aqua	69,32	67,22	63,12
<i>Phase II</i>		1,88	1,98	2,98
PRESERVATIVE	Preservative	0,08	0,08	0,08
NaCl	Sodium Chloride	1,8	1,9	2,9
Total		100	100	

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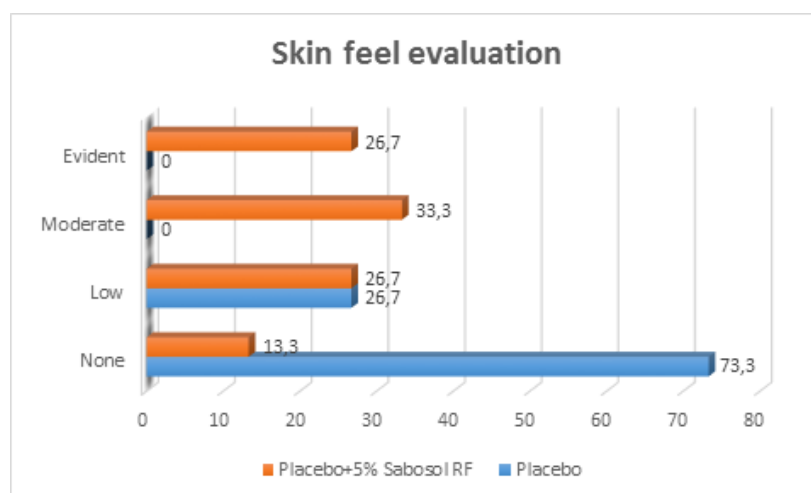
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Results



Body Wash containing 2% of Sabosol RF showed to improve the TEWL of the forearm by 36.30% vs the placebo and at 5% Sabosol RF improved the TEWL by 40.30%.

A Self-Assessment Evaluation questionnaire was given to the panelist after application to evaluate sensorial effect after washing, the results showed that 26.7% felt improved a real improvement in Skin Emolliency.



Conclusions

This test was conducted to demonstrate that despite the fact that Squalane is dispersed into a mild surfactant system, it is still effective in Rinse-off products by leaving a protection film on the skin and protect the skin barrier.

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Regulatory information

See DATA SET document for further information

Safety and toxicology

SEE MSDS and DATA SET document for further information

Review N°03

Date of review: 06/02/2018

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