

SABOSOL RF MB

High-performance solubilizer ensuring clear formulations with a mild and sustainable profile.

INCI Name: *Coco-glucoside, Squalane, Sodium Surfactin*

CAS No.: 68515-73-1 + 110615-47-9; 111-01-3; 302933-83-1

OVERVIEW

- A multifunctional, natural, and effective solubilizing blend composed of phyto-squalane, coco-glucoside, and surfactin—a potent biotechnological peptidic surfactant. Its solubilizing performance is comparable to *Polysorbate* and *PEG-40 Hydrogenated Castor Oil*, particularly for perfumes.
- Clinically tested at 2% and 5% (versus placebo) for short-term TEWL reduction (barrier effect) and enhanced sensory properties after rinsing. Results show up to a 40.3% reduction in TEWL post-rinse, improved rinsability, richer foam creaminess, and enhanced skin smoothness and hydration compared to the placebo.
- **NOC incl. water (ISO 16128):** 99%
- **Certifications:** RSPO MB, COSMOS
- **REACH:** components registered
- **Origin:** locally produced (Italy)
- IECIC Listed and **Annex 14** available

TECHNICAL CHARACTERISTICS

- **Appearance:** liquid
- **pH** = 4.5-5.5
- **Preserved** with *Sodium Benzoate* and *Potassium Sorbate*
- **Concentration of use:** from 0.5%

FUNCTIONS

- **Solubilizing agent** – starting at a ratio of 1:3 (solute: SABOSOL RF MB)
- **Lipid layer enhancer** (barrier effect with immediate action) – arm wash test: TEWL reduction
- **Sensory booster for toiletries** – self-assessment evaluation: perceived emolliency, descriptive analysis for rub-out and after-feel attributes

FORMULATIONS

- Detergents (liquid or solid)
- Water-based formulations e.g. toners
- Emulsions (as active co-surfactant)

APPLICATIONS

- Toiletries
- Micellar water
- Perfumed water
- Wet wipes
- Skin Care, Hair Care, Scalp Care



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