BioReNuva

Cosmetic and Home Care Ingredients

Leveraging biotechnology to develop better performing, cleaner and more sustainable ingredients.



Mild Cleansing Platform - BioSurfactants

Non-GMO · No Organic Solvents · Cosmos · Vegan

Sophorolipid

ReNuva™ SL-A70

INCI: Glycolipids

Recommend Usage Level

Primary (10-20%), Secondary (2-10%)



Industry Best Water Soluble Cleanser (CMC)

Clinically Proven to Moisturize Skin (

Contains 30% Lactone to Reduce Acne

Biodegradable

Amphoteric Properties

HLB 16-18

Moderate Foam

Sophorolipid ReNuva™ SL-L70

INCI: Glycolipids

Recommend Usage Level

Primary (10-20%), Secondary (2-10%)

Sugar and Vegetable Oil as Raws

Industry Best Oil Miscible Cleanser (CMC)

Clinically Proven to Moisturize Skin

Contains 70% Lactones to Reduce Acne

100% Biodegradable

Acts as Self-Emulsifier in Select Oils Systems

HLB

Low Foam

A Comparison of **Cleanser Types**



NEW

Rhamnolipid

ReNuva™ RL-50

INCI: Glycolipids

Recommend Usage Level

Primary (5-10%), Secondary (1-5%)

Sugar and Vegetable Oil as Raws

Industry Best Cleanser (CMC)

Very High Surface Activity 4

Effective Solubilier (Compared to HCO-40)

100% Biodegradable

HLB

Moderate-High Foam

ReNuva Glycolipids

Traditional Chemical Surfactants

Bio-Based Chemical Surfactants

> Amino Acid Surfactants

Sophorolipid, Rhamnolipid + High Foamers

ReNuva™ Ready Blend

INCI: Glycolipids, Cocamidopropyl Hydroxysultaine,Sodium Methyl Cocoyl Taurate, Sodium chloride

Recommend Usage Level

(10-25%)

Sugar and Vegetable Oil as Raws (EWG =1)

Rich, Sustained Lathered Foam

Conditions Hair and Delivers Color Stay

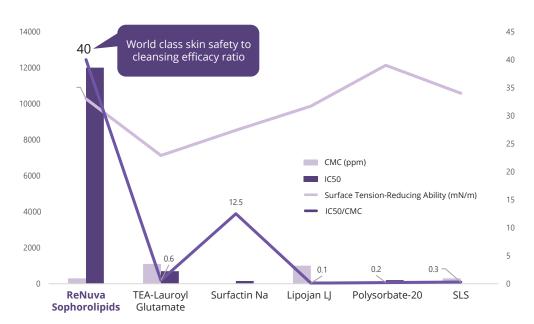
Outperforms Industry Benchmark

100% Biodegradable

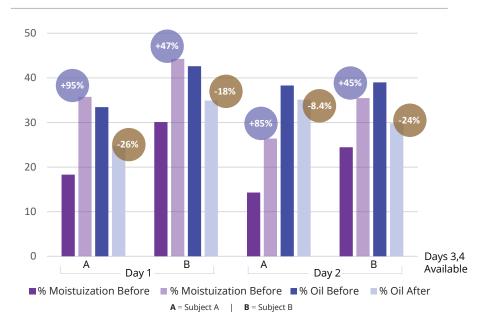
HLB 14-18

Economical Option

Calculated Cleansing (CMC) & Mildness (IC50)



Moisturization & Oil % Effect



Clinical Cleansing Examination



Test Method

- 1. (i) L'Oreal Waterproof Mascara and (ii) YSL Non-Waterproof Lipstick applied to skin and allowed 15 minutes to dry.
- 2. Cotton Pads were dipped and allowed to soak up 5 grams of material:

(ii)
A. Neutrogena Make-Up Remover (NMUR)
A. Neutrogena Make-Up Remover (NMUR)
B. NMUR + 10% ReNuva Sophorolipids
B. 10% ReNuva Sophorolipids
C. 10% ReNuva Sophorolipids

3. Mascara and Lipstick wiped with pads and performance was measured visually.

Acne (Anti-Bacterial Effect)

