



Biode'licate Scrub 142-1.02

Readily biodegradable & bouncy gel-scrub with gentle biological and mechanical exfoliations for smooth & glowy skin



RICHNESS

PROCESS

APPLICATION



FORMULATION FEATURES

- Readily biodegradable formula (OECD test)
- 100% of the formula is biodegraded within 14 days
- Face & body scrub
- Light, watery & grainy upon application
- Smooth and shiny skin after rinse-off

FUNCTIONAL INGREDIENTS

Siligel™ (2%) – Gelling agent

- Bounciness in synergy with carrageenan gum
- High spreadability
- Efficient suspension of exfoliating particles
- Softness after application

ACTIVE INGREDIENTS

XfoliPEARL™ & Lime Pearl™ AF

- Mechanical & biological exfoliations with eco-friendly particles and natural AHAs

Superox-C™ AF

Boosts skin radiance and luminosity



	INGREDIENT	INCI NAME	SUPPLIER	FUNCTION	%
A	Deionized Water	Water	Cooper	Vehicle	49.66
	Verstatil BL Non GMO	Water (and) Sodium Levulinate (and) Sodium Benzoate	Dr Straetmans	Preservative	2.00
	Citric Acid 10% in Water	Water (And) Citric Acid	-	pH Adjuster	0.54
	Glycerine Codex	Glycerin	Interchimie	Humectant	5.00
A'	Siligel™	Xanthan Gum (and) Lecithin (and) Sclerotium Gum (and) Pullulan	Lucas Meyer Cosmetics	Gelling agent	2.00
B	Deionized Water	Water	Cooper	Vehicle	30.00
	Satiagel VPC 508	Carrageenan	Cargill	Gelling Agent	0.50
	Sodium Chloride	Sodium Chloride	Sigma Aldrich	Salt	0.30
C	Dehyton Kcos	Cocamidopropyl Betaine	BASF	Surfactant	3.00
D	Lime Pearl™ AF	Glycerin (and) Water (and) Microcitrus Australasica Fruit Extract	Lucas Meyer Cosmetics	Active ingredient	1.00
	Superox-C™ AF	Glycerin (and) Water (and) Terminalia Ferdinandiana Fruit Extract	Lucas Meyer Cosmetics	Active ingredient	1.00
E	XfoliPEARL™	Hydrogenated Castor Oil (And) Euphorbia Cerifera (Candelilla) Wax	Lucas Meyer Cosmetics	Exfoliating Particles	5.00

Manufacturing Procedure:

1. Prepare Phase A
2. Sprinkle A' phase into phase A under high stirring during 5 min. (rotor stator homogenizer)
3. Prepare phase B and mix until homogeneous
4. Add B to A and heat until 70°C during 5 min
5. Let cool down and add C under slow stirring to avoid entrapment of air bubbles
6. Add D one by one under slow stirring until the product is homogenous
7. Adjust pH if necessary
8. Add E under slow stirring until the particles are dispersed

Formula Specifications:

Aspect: Light beige translucent gel with white particles in suspension
 Viscosity (Brookfield LV, spindle 4, 6 rpm, 1 min): 40 000 – 50 000 cPs
 pH: 5.3 – 5.5
 Centrifugation (3000 rpm, 20 min): stable

Stability Tests: On lab batches, up to 300g

Up to 1 month at 50°C: Stable
 Up to 3 months at: Room Temperature, 4-8°C and 45°C: Stable
 Freeze thaw cycles (24h -18°C – 24h RT): Stable
 Centrifugation (3000 rpm, 20 min): Stable
 Vibrating table (400 rpm, 4h): Stable

Natural Origin Content calculated at the best of our knowledge in accordance with our understanding of ISO standard 16128. The content was calculated with suppliers' information on naturanness when available or otherwise with our estimations.

THICK

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