



Zemea® Perilla & Matcha Green Tea Facial Scrub

This bright-green and pearlized facial scrub features gentle Acylamino Acid surfactants formed into a thick cream with ample dense foam and indulgent lather. Of mint family, Perilla Seed extract acts as a natural active ingredient with its antioxidant and anti-inflammatory properties. Zemea® propanediol is used for its excellent moisturization effects. Asian influence is further manifested with use of Matcha Green Tea, which is well known for its antioxidant powers.

Phase	Ingredient	INCI Name	Supplier	Function	Wt. %
A ₁	Zemea® Propanediol	Propanediol	DuPont Tate and Lyle	Solubility adjustment for surfactants /moisturization	18.00%
A ₂	Glycerin	Glycerin		Solubility adjustment for surfactants /moisturization	20.00%
A ₃	Deionized water	Aqua		Solvent	qs
A ₄	Perilla Seed Extract PC	Perilla Ocymoides Seed Extract, Dextrin	Oryza Corp, dist by Ajinomoto USA, Inc	Active ingredient /antioxidant, antiinflammatory	0.10%
A ₅	Matcha Green Tea	Camellia sinensis (Green Tea)		Active ingredient, color/ antioxidant	0.50%
B ₁	Amlsoft LS-11	Sodium Cocoyl Glutamate	Ajinomoto USA, Inc	Gentle surfactant /cleansing, moisturizing, conditioning feel	15.00%
B ₂	Amllite GCS-11	Sodium Cocoyl Glycinate	Ajinomoto USA, Inc	Gentle co-surfactant, dense foam /cleansing, conditioning feel	10.00%
C ₁	Amphosol CA	Cocamidopropyl Betaine	Stepan	Ancillary surfactant	4.00%
C ₂	Conditioneze 7	Polyquaternium-7	ISP Corp	Conditioning agent	1.00%
D ₁	Palmitic Acid	Palmitic Acid	Acme-Hardesty	Foam structure modifier	1.00%
D ₂	Stearic Acid	Stearic Acid	Acme-Hardesty	Foam structure modifier	0.70%
D ₃	Lipo EDGS	Glycol Distearate	Lipo Chemicals, Inc	Pearlizer	1.00%
E ₁	White Inca beads	Hydrogenated Jojoba Oil	Desert King	Exfoliation	2.00%
	Total				100.00%

Procedure

1. Heat Phase A with mixing to 78 °C, add Phase B, followed by Phases C and D (ideally pulling a vacuum).
2. Allow to mix for 15 minutes, then begin cooling.
3. At 50 °C, add the Inca beads, pH as is: 5.0.

Prototype formula# ASC 18-36-1 provided by Ajinomoto USA, Inc., Fort Lee, New Jersey 07024.

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