

Zemea®* the Natural Choice...
Purity and Renewable Performance



Zemea®
renewably sourced™ propanediol

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	TRADE NAME	SUPPLIER	INCI NAME	% W/W	FUNCTION (IN FORMULA / ON SKIN)
A1	Zemea® Propanediol	DuPont Tate & Lyle	Propanediol	18.00	Solubility adjustment for surfactants / Moisturization
A2	Glycerin		Glycerin	20.00	Solubility adjustment for surfactants / Moisturization
A3	Deionized water		Aqua	q.s.	Solvent
A4	Perilla Seed Extract PC	Oryza Corp, dist. by Ajinomoto USA, Inc	Perilla Ocymoides Seed Extract, Dextrin	0.10	Active ingredient / Antioxidant, antiinflammatory
A5	Matcha Green Tea		Camellia sinensis (Green Tea)	0.50	Active ingredient, color / Antioxidant
B1	Amisoft LS-11	Ajinomoto USA, Inc	Sodium Cocoyl Glutamate	15.00	Gentle surfactant / Cleansing, moisturizing, conditioning feel
B2	Amilite GCS-11	Ajinomoto USA, Inc	Sodium Cocoyl Glycinate	10.00	Gentle co-surfactant, dense foam / Cleansing, conditioning feel
C1	Amphosol CA	Stepan	Cocamidopropyl Betaine	4.00	Ancillary surfactant
C2	Conditioneze 7	ISP Corp	Polyquaternium-7	1.00	Conditioning agent
D1	Palmitic Acid	Acme-Hardesty	Palmitic Acid	1.00	Foam structure modifier
D2	Stearic Acid	Acme-Hardesty	Stearic Acid	0.70	Foam structure modifier
D3	Lipo EDGS	Lipo Chemicals, Inc	Glycol Distearate	1.00	Pearlizer
E1	White Inca beads	Desert King	Hydrogenated Jojoba Oil	2.00	Exfoliation

Manufacturing Procedure

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

(Prototype formula# ASC 14-96-1C provided by Ajinomoto USA, Inc., 400 Kelby Street, Fort Lee, New Jersey 07024. Tel: (201) 292-3180, Fax: (201) 346-5638)

For additional information
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