

Prototype
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AJINOMOTO®

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‘Head, Body & Soul’ Natural Cleanser ***ASC 18-27-1***

The naturally-derived ingredients in this clear cleanser formula are combined in such manner to allow great foam and lather characteristics without sacrificing viscosity. It is an NPA-compliant formula and could be used as a shampoo, facial cleanser or body cleanser, and since it is environmentally friendly, the soul is cleansed as well.

	Trade Name	Supplier	INCI Name	% w/w	Function (in Formula / on Hair and Skin)
A.	Amisoft CS-22	Ajinomoto USA, Inc	Disodium Cocoyl Glutamate, Sodium Cocoyl Glutamate	35.00	Primary Surfactant
	Mackam CB-35RS	McIntyre / Rhodia	Coco-Betaine	18.00	Primary co-surfactant
	Plantaren 2000	Cognis	Decyl Glucoside	6.00	Secondary surfactant
	Plantaren 1200N	Cognis	Lauryl Glucoside	3.00	Tertiary surfactant
	Monomuls 90-L12	Cognis	Glyceryl Laurate	4.00	Thickening agent
	Deionized water		Aqua	q.s to 100	Solvent
B.	Prodew 500	Ajinomoto USA, Inc	Sodium PCA (and) Sodium Lactate (and) Arginine (and) Aspartic Acid (and) PCA (and) Glycine (and) Alanine (and) Serine (and) Valine (and) Proline (and) Threonine (and) Isoleucine (and) Histidine (and) Phenylalanine	1.00	Amino acid cocktail / Hair repair, sheen, luster, control; moisturization
	D-Panthenol	BASF	Panthenol	0.30	Active ingredient / Shine enhancement; moisturization
	Euxyl K701	Schülke & Mayr	Phenoxyethanol, Benzoic Acid, Dehydroacetic Acid, Ethylhexyl Glycerin	0.70	Preservative
C.	Citric Acid		Citric Acid	pH to 5.7 ± 0.10	pH adjustment
D.	MgCl ₂ ·6H ₂ O		Magnesium Chloride	1.00	Viscosity adjustment

Procedure: Combine and heat Phase A to 78 °C with mixing, once dissolved, cool to room temperature with mixing, add Phase B. Adjust the pH to 5.7 with citric acid and add the divalent salt (amount could vary depending on desired viscosity).

pH (final): 5.4

Viscosity: 2,360 mPa·s @ 6 rpm, spindle #3, 25 °C, 10 sec

Stability: > 3 months at 45, 40, 25, and 3 °C

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