






ULTRA MOISTURIZING SHAMPOO WITH DERMOFEEL PA-3

Create silky, smooth hair with this moisturizing shampoo. **Pantenolo Glicerolo** provides D-panthenol in an easy-to-use form, smoothing the cuticle and enhancing shine. The water-soluble oils, **Resplanta Karite** and **Resplanta Coconut**, provide softness and emollience with nourishing properties. **Dermofeel P-30** contributes anti-static properties and reduces flyaway, while **Symbioquat** offers 'smart-conditioning' by adding a soft, silky feel without the buildup of traditional quaternary compounds. **Dermofeel PA-3**, a natural and biodegradable alternative to EDTA, removes harsh metals that can target the hair cuticle, reducing luster and shine.

	TRADE NAME	INCI	SUPPLIER	%
Phase I				
	Water	Water		q.s.
	Dermosoft 1388 ECO	Water, Glycerin, Sodium Levulinate, Sodium Anisate	Kinetik Technologies	3.00
	Pantenolo Glicerolo	Panthenol, Glycerin	Kinetik Technologies	1.50
	Dermofeel PA-3	Sodium Phytate	Kinteik Technologies	0.20
	Resplanta Karite	Shea Butter Glycereth-8 Esters	Kinetik Technologies	2.50
	Stearic Acid	Stearic Acid	Various	0.30
	Mackol CAS-100N	Sodium Coco-Sulfate	McIntyre Group	10.00
Phase II				
	Tauranol WS Concentrate	Sodium Methyl Cocoyl Taurate	Innospec	10.00
	Phenoxyethanol	Phenoxyethanol	Jeen	0.25
	Dermofeel P-30	PCA Glyceryl Oleate	Kinetik Technologies	1.00
Phase III				
	Citric Acid	Citric Acid	Various	0.10
	Mackam LMB	Lauramidopropyl Betaine	McIntyre Group	10.00
Phase IV				
	Symbioquat	Hydroxypropyl Oxidized Starch PGTrimonium Chloride, Starch Hydroxypropyltrimonium Chloride	Kinetik Technologies	2.50
Phase V				
	Fragrance (AFF #312-568)	Fragrance	American Flavors and Fragrance	0.60
	Resplanta Coconut	Coconut Oil Glycereth-8 Esters	Kinetik Technologies	1.00
pH: 5.00-5.35				
Viscosity: Brookfield Viscometer RVDV-I+ spindle # 5 @ 20 RPM = 7000 - 8000 cps				

 Denotes Natural Ingredient

Procedure:

1. Charge water to main tank with sweep mixing and begin heating to 70-80°C. Add Phase I ingredients one at a time as listed. Sprinkle Mackol CAS-100N slowly to avoid agglomeration. Hold batch temperature and continue mixing for 20-25 minutes.
2. Add Phase II ingredients one at a time as listed, while maintaining batch temperature. Mix until fully dispersed. Mixture should be clear.
3. Remove from heat and add Phase III ingredients. Begin force cooling.
4. At 50°C, add Phase IV.
5. Pre-blend Phase V and add to main.