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PEG - Free Shampoo with Floraesters K-20W Jojoba

Products highlighted: Floraesters® K-20W Jojoba

Floraesters K-20W Jojoba adds conditioning and shine to the hair from the deep cleansing shampoo.

Phase	Trade Name	INCI Name	Supplier	% wt./wt
A.	Standapol ES-2	Sodium Laureth Sulfate	Cognis	25.2
	Planteren 2000 N	Decyl Glucoside	Cognis	15.1
	Lexaine C	Cocamidopropyl Betaine	Inolex	10.2
	Sulfochem AEG	Ammonium Lauryl Sulfate (and) ALES (and) CAPB (and) Cocamide DEA (and) Lauramide DEA	Chemron	4.0
	Glycerin USP	Glycerin	Acme-Hardesty	0.5
B.	Floraesters K-20W Jojoba	Hydrolyzed Jojoba Esters (and) Water (Aqua)	Floratech	5.3
C.	Deionized Water	Water		Q.S.
	Quatrisoft Polymer LM-200	Polyquaternium-24	Amerchol	0.1
	Tauranol I-78	Sodium Cocoyl Isethionate	Innospec	4.7
D.	Preservative	-----		Q.S.
	Fragrance (optional)	-----		Q.S.
	Dye (optional)	-----		Q.S.
			TOTAL:	100.00

Mixing Procedure:

1. Blend ingredients of Phase A to uniformity using moderate propeller agitation, while heating to 70°C.
2. Add Phase B to Phase A and blend to until uniform.
3. Heat water of Phase C to 60°C and dissolve Quatrisoft. Slowly add Tauranol I-78 once Quatrisoft has completely dissolved.
4. Slowly add Phase C to Phase AB , blend until uniform, and cool to 50°C.
5. Add preservative, of Phase D (add fragrance and dye if required) to Phase ABC with moderate propeller agitation. Cool mixture to room temperature.

Note: pH of finished shampoo should be between 6.5 and 7.0.

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of their accuracy is made and the products discussed are sold without warranty, expressed or implied, and upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes. Likewise, statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent.