PEARLIZED CONDITIONING SHAMPOO WITH FLORAESTERS K-20W JOJOBA

with Floraesters K-20W® Jojoba

Floraesters K-20W Jojoba contributes to the moisturizing and conditioning properties of this white, pearlized shampoo. This high-foaming shampoo feels creamy and smooth, is easy to rinse out, and contains a fragrance specifically selected for the Asian market.

Phase	Trade Name	INCI	Supplier	%WT
A	Deionized Water	Water	- - - - -	q.s.
	Versene® Na2 Crystals Chelating Agent	Disodium EDTA	The Dow Chemical Co.	0.05
	Propylene Glycol USP/EP	Propylene Glycol	Ashland	1.00
	Preservative[1]	- - - - -	- - - - -	q.s.
	Ucare® Polymer LR 400	Polyquaternium-10	The Dow Chemical Co.	0.20
B	Amidex® CME Surfactant	Cocamide MEA	The Lubrizol Corporation	2.00
	Citric Acid, USP (30% Solution)	Citric Acid (and) Water	Archer Daniels Midland Co.	0.60
	Pluracare® L-64	Poloxamer 184	BASF Corporation	0.05
	Lipo® EGDS	Glycol Distearate	Lipo Chemicals	2.00
	Chembetaine® C Surfactant	Cocamidopropyl Betaine	The Lubrizol Corporation	10.00
	Sulfochem® ES-2 Surfactant	Sodium Laureth Sulfate	The Lubrizol Corporation	35.00
	Floraesters K-20W Jojoba	**Hydrolyzed Jojoba Esters (and) Water (Aqua)**	**Cargill Beauty**	**3.00**
	Preservative[2]	- - - - -	- - - - -	q.s.
	Fragrance[3]	- - - - -	- - - - -	q.s.

[1] Preservative: Sodium Benzoate NF-FCC Dense [INCI: Sodium Benzoate] supplied by American International Chemical
[2] Preservative: Bronidox® 1160 (INCI: Phenoxyethanol) supplied by BASF Corporation
[3] Fragrance: Reference #03294 [INCI: Fragrance] supplied by Innovation Corporation

CHARACTERISTICS

- **pH:** 5 - 6
- **Viscosity:** 14,000 - 23,500cP

Cargill Beauty
Unleashing Nature Sustainably

PROCESS

1. Add the Versene Na2 Crystals Chelating Agent to the deionized water with moderate propeller agitation at room temperature and allow time to dissolve.
2. Add the Propylene Glycol USP/EP, Preservative, and UCARE Polymer LR 400 of Phase A, in that order, with moderate propeller agitation. Heat mixture to 70-75°C.
3. With moderate propeller agitation at 70-75°C add the ingredients of Phase B to Phase A in the order listed. Continue to mix until the batch is uniformly white in color and homogeneous.
4. Allow the batch to cool while stirring to room temperature. Measure final pH and viscosity at 25°C.

Note: Sodium chloride is not added to modify the viscosity of this formula. Floraesters K-20W Jojoba has a strong effect on the final viscosity. If a lower viscosity is desired, a small amount of sodium chloride solution may be added after the batch is completed.

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