

Aqua Protection Serum

Description: A lightweight protective serum with a refreshing silky after feel.

PHASE	%	INGREDIENT	*REF	INCI	FUNCTION
1	90.58	Deionized Water		Water	Aqueous Vehicle
1	0.05	Disodium EDTA		Disodium EDTA	Chelating Agent
2	0.30	Carbopol® Ultrez 21	9	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Rheology Modifier
3	0.10	Sensiva® SC 50		Ethylhexylglycerin	Preservative
4	0.84	Lipomulse™ 165	1	Glyceryl Stearate (and) PEG-100 Stearate	Emulsifier
4	0.70	Lipocol™ C - Natural	1	Cetyl Alcohol	Emulsion Stabilizer
4	5.00	Liponate™ CCC	1	Coco-Caprylate/Caprate	Emollient
4	0.53	Lipowax™ P Pastilles	1	Cetearyl Alcohol (and) Polysorbate 60	Emulsion Stabilizer
4	0.90	Phenoxyethanol		Phenoxyethanol	Preservative
5	0.40	Sodium Hydroxide (20% Solution)		Water (and) Sodium Hydroxide	Neutralizing Agent
6	0.50	Liposhield™ HEV Melanin	1	Melanin	Active
6	0.10	FD&C Red No. 40 1% solution		Water (and) Red No. 40	Colorant
	100.00%				

***Company Reference**

9	Lubrizol
1	Vantage Specialty Ingredients

PROCEDURE:

1. In the main vessel, add Phase 1 ingredients and begin mixing with a propeller. Heat to 80C.
2. Sprinkle in Phase 2 ingredient. Mix until fully hydrated and uniform.
3. Add Phase 3 ingredient. Mix until uniform.
4. Premix Phase 4 ingredients. Heat to 80C and mix until uniform.
5. Add Phase 4 to main vessel. Emulsify until uniform. Begin to cool batch.
6. At 75C, add Phase 5 ingredient. Mix until uniform. Switch to sweep blade and mix at 60-70 rpm.
7. Switch to sweep blade and mix at 60-70 rpm.
8. At 40C, add Phase 6 ingredients, one at a time.

pH: 6.28

Viscosity: (RVT, TD, 4 rpm, 1 min) 60,000 cps

Stability: Stability is in progress. Stable for 3 weeks (F/T, 45°C, 25°C)

Notebook Reference: 14800-83-1



150 MOUNT BETHEL ROAD, BUILDING 2, SUITE 200, WARREN, NJ 07059

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