KFL-348

Moisturizing Serum

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
86.97	Deionized Water	Water	-
3.00	Zemea® Propanediol	Propanediol	Dupont Tate & Lyle
1.50	Hydroviton® 24	Aqua (and) Pentylene Glycol (and) Glycerin (and) Sodium Lactate (and) Lactic Acid (and) Serine (and) Urea (and) Sorbitol (and) Sodium Chloride (and) Allantoin	Symrise
0.90	Euxyl™ PE 9010	Phenoxyethanol (and) Ethylhexylglycerin	Ashland
0.10	Dermofeel® PA	Phytic Acid (and) Aqua	Evonik - Personal Care
Part 2			
2.00	GLYCERIN U.S.P. KOSHER 99.7%	Glycerin	Procter & Gamble Chemicals
0.25	Treme-HA®	Tremella Fuciformis Polysaccharide	Focus Freda/Kobo Products
Part 3			
1.00	Aristoflex® Silk	Sodium Polyacryloyldimethyl Taurate	Clariant
Part 4			
0.28	Sodium Hydroxide, 20% solution	Sodium Hydroxide, 20% solution	Ricca Chemical Company
Part 5			
3.00	SunBoost ATB	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	Kobo Products
1.00	LUSPLAN™ LV-G	Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate	Nippon Fine Chemicals/Kobo Products
100.00			

Description:

A lightweight, yet moisturizing serum that leaves the skin feeling soft + smooth.
Treme-HA® is a plant-derived high molecular weight polysaccharide that is a highly efficient moisturizer and free-radical scavenger. Sunboost ATB is a blend anti-oxidants, anti-irritant, and anti-inflammatory agents that help to moisturize and nourish the skin. LUSPLAN™ LV-G provides high water-holding capability and excellent moisture retention, which helps keep the skin moisturized.

Manufacturing Procedure:

1. Weigh out Phase 1 in main beaker. Begin mixing under propeller or Cowles blade (~300-400 rpm). Mix until uniform.
2. Pre-mix Phase 2 very well. Once uniform, add it into Phase 1. Mix until uniform. Increase rpm if needed.
3. Sprinkle Phase 3 into main beaker. Mix until uniform. Increase to 600-800 rpm as needed. Batch will thicken into gel.
4. Check pH of main water phase (123). pH should be between 5.00 - 6.00. Adjust pH using Phase 4 if needed. Mix until uniform.
5. Combine Phase 5 in a side beaker and begin mixing under prop. Mix until uniform.
6. Once Phase 1234 (main beaker, water phase) is fully uniform, move from prop/cowles to homogenizer. Begin mixing under homogenizer.
7. Once Phase 5 (oil) is fully uniform, slowly add it to Phase 1234 (water) under homogenizer (~3000 rpm). Once fully transferred, mix for an additional 10 minutes under homogenizer.
8. Check pH of batch. pH should be between 5.00 - 6.00.

FORMULATIONS

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