



MICRO POWDERS, INC.

Specialty Micronized Wax Additives

SC-2018: LUXURIOUS EYE CREAM WITH ECOSOFT 627S (Smooth spreading cream for gentle eye area)			
INGREDIENT	INCI NAME	% W/W	SUPPLIER
Phase A			
Deionized Water	Water	58.825	N/A
Protacide NA3 EDTA	Tri Sodium EDTA	0.20	Protameen Chemicals Inc.
Triethanolamine 99%	Triethanolamine	1.625	Huntsman
Glycerin Vegetable Derived	Glycerin	5.00	Lotion Crafter
Veegum CH	Magnesium Aluminum Silicate	0.35	Vanderbilt Minerals, LLC.
Vanzan NF-C	Xanthan Gum	0.25	Vanderbilt Minerals, LLC.
Protasorb L-20	Polysorbate 20	2.50	Protameen Chemicals Inc.
Phase B			
Lotion Crafter IPM	Isopropyl Myristate	18.3	Lotion Crafter
Lotion Crafter GMS	Glyceryl Stearate	3.75	Lotion Crafter
Stearic Acid NF (Vegetable)	Stearic Acid	3.50	Lotion Crafter
Phase C			
Ecosoft 627S (Spherical)	Polylactic acid	5.00	Micro Powders, Inc.
Phase D			
Cucumber Mint Fragrance	Fragrance	0.20	Bell Flavor & Fragrance
Barguard CP	Capryl Glycol /Phenoxyethanol /Hexylene Glycol	0.50	Ashland Inc.
Total		100%	

Procedure

1. Weigh Phase A ingredients: Water, EDTA and TEA into a separate beaker. Start mixing using propeller blade at slow to medium speed until it is uniform and clear. Now in separate a beaker add Glycerin, Vee gum and Xanthan Gum. Mix well make slurry and pour in to Water phase. Start heating to 165°F under high speed mixing. Once temperature reaches to 165°F, mix for 30 minutes till gum hydrates completely. Check by making drawdown on a white paper. Add Polysorbate 20 just before emulsification and mix it in at a slow to medium speed (to avoid foaming)
2. In separate beaker weigh Phase B, heat to 170°F under propeller medium speed mixing until clear.
3. Pour Phase B into Phase A at constant slow rate speed between 165°F to 170°F. Use high speed mixing during emulsification. Continue high speed mixing for 30 minutes with occasional side sweeping (emulsification step).
4. Cool the batch to 130F, add Phase C by sprinkling very slowly under medium to high speed mixing to avoid grit formation. Mix additional 15 minutes at a medium to high speed to disperse Ecosoft 627S uniformly.
5. Start cooling the batch.
6. Cool the batch to 120°F and add Phase D ingredients. Maintain 120°F for additional 15 minutes and cool down the batch to ambient temperature and pour in a Jar.

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