



Zemea® Natural Skin Cream With Vanatural® XGB

| Phase | Ingredient | INCI Name | Supplier | Wt. % |
|-------|-------------------------------|-----------------------------------|-------------------------------|---------|
| A | Vanatural® XGB Bentonite Clay | Bentonite and Xanthan Gum | R.T. Vanderbilt Company, Inc. | 3.00% |
| | Surfhope® SE Cosme C -1811 | Sucrose Stearate | Arch Personal Care Products | 1.25% |
| | Tech-O® #11-070 Oat Flour | Avena Sativa (Oat) Kernal Flour | Beacon CMP Corporation | 1.00% |
| | Water | | | 81.75% |
| B | Zemea® Propanediol | Propanediol | DuPont Tate and Lyle | 5.00% |
| C | Wheat Germ Oil | Triticum Vulgare (Wheat) Germ Oil | Desert Whale Jojoba Co. | 5.00% |
| | Cetearyl Alcohol | | | 3.00% |
| D | Preservative | | | qs |
| | Total | | | 100.00% |

Procedure

1. While heating the water to 60-65°C, slowly add the Phase A ingredients sequentially or as a dry blend to the water agitated at maximum available shear.
2. Mix until the Vanatural® XGB is fully hydrated.
3. Add Phase B, Zemea® propanediol, and mix until uniform.
4. Maintain the water phase at 60-65°C.
5. Combine the oil phase ingredients in Phase C and heat to 60-65°C.
6. Add the oil phase to the water phase with good agitation; mix until uniform.
7. Avoid incorporating air.
8. Cool with mixing; add Phase D when the emulsion is <30°C.

Prototype formula #599 provided by: R.T. Vanderbilt Company, Inc.

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