



# 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) kernel flour	Beacon CMP Corporation	1.00%
	Water	—	—	81.75%
B	<b>Zemea® propanediol</b>	<b>Propanediol</b>	<b>CovationBio PDO</b>	<b>5.00%</b>
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%

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

## 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.