

Zemea Liquid Foundation With Vanatural XGB

Phase	Trade/Drug Name	INCI Name	Supplier	Wt.%
	Water			77.97
А	Vanatural® XGB Bentonite Clay	Bentonite and Xanthan Gum	R.T. Vanderbilt Company, Inc.	4.00
	Zemea® Propanediol	Propanediol	DuPont Tate & Lyle	5.00
В	Iron Oxides and Microcrystalline Cellulose	C2-5 Yellow LLXLO	Kobo Products	0.40
	Iron Oxide (C.I. 77491) and Cellulose	C2-5 Red R-516L		0.10
	Iron Oxide (C.I. 77499) and Cellulose	C2-5 Black BL-100		0.03
	Titanium Dioxide and Cellulose and Alumina	C2-5 TiO2 CR-50		3.50
	Mica and Cellulose	C2-5 Sericite FSE		4.00
С	Xyliance™	Cetearyl Wheat Straw Glycosides and Cetearyl Alcohol	Actives International	5.00
D	Preservative			q.s

Manufacturing Process

- While heating the water to 75°C, slowly add the VANATURAL® XGB to the water agitated at maximum available shear.
- 2. Mix until it is fully hydrated and add the Zemea® propanediol.
- 3. Combine the Part B ingredients, then add to Part A and mix until smooth.
- 4. Maintain the water phase at 75°C.
- 5. Heat Part C oil phase to 75°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 Part D when the emulsion is <30°C.

Formulation prototype provided by: R.T. Vanderbilt Company, Norfolk, CT, USA

For additional information or samples:

DuPont Tate & Lyle Bio Products Customer Service

198 Blair Bend Drive Loudon, TN 37774

Tel: +1-866-404-7933 www.duponttateandlyle.com

