

Zemea®* the Natural Choice... Purity and Renewable Performance



Zemea®
renewably sourced™ propanediol

Ecocert™ Compliant Natural Daily Moisturizer

PHASE	INGREDIENT	INCI DESIGNATION	Wt, %
A	Water	Water (Aqua)	73.44
A	Dissolvine GL-38	Testrasodium Glutamate Diacetate	0.10
A	Zemea® Propanediol	Propanediol	5.00
A	Keltrol CG-SFT	Xanthan Gum	0.30
B	Montanov 82	Cetearyl Alcohol Coco-Glucoside	1.50
B	Net Wax-age-bat	Batyl Alcohol	0.30
B	Montanov 202	Arachidyl Alcohol Behenyl Alcohol Arachidyl Glucoside	2.00
B	Lipex Shea	Butyrospermum Parkii (Shea Butter)	2.00
B	Cetiol CC	Dicaprylyl Carbonate	5.00
B	Jjoba Oil - Lipo	Simmondsia Chinensis (Jojoba) Seed Oil	2.50
B	Liponate GC	Caprylic/Capric Triglyceride	5.00
C	AMS Leucidal Liquid M15008	Leuconostoc/Radish Root Ferment Filtrate	2.00
C	Benzyl Alcohol, NF	Benzyl Alcohol	0.70
D	Citric Acid (20% soln.)	Citric Acid	0.16
	Total		100

Procedure

- Combine PHASE A ingredients and heat with mixing to 80°C
- Combine PHASE B ingredients and heat with mixing to 80°C, slowly add PHASE B to PHASE A without mixing. Once incorporated, homogenize for 5 minutes at 5200 RPM. Return to mixer with anchor and mix to 35°C
- Add PHASE C one by one and mix to uniformity. Cool to 25°C with mixing.
- Adjust pH to 5.5 - 6.0 with PHASE D

pH: 5.35 Viscosity (CPS): 2,000



**For additional information or samples,
please contact:**

DuPont Tate & Lyle Bio Products Customer Service

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