



MICRO POWDERS, INC.

Specialty Micronized Wax Additives

FOAMING BODY SCRUB WITH NATUREBEAD R20 AND NATUREGREEN 20RS			
INGREDIENT	INCI NAME	% W/W	SUPPLIER
Phase A			
Deionized Water	Water	57.04	N/A
Disodium EDTA	Disodium EDTA	0.05	N/A
Phase B			
Butylene Glycol	Butylene Glycol	3.50	N/A
Gelcarin PC-379 (Carrageenan)	Chondrus Crispus	0.56	Earth Supplied Products
Keltrol CG-T	Xanthan Gum	0.28	CP Kelco
Phase C			
Farmal 2656	Saccharide Hydrolysate	8.00	Cosmetic Specialties
Colamate DSLS	Disodium Laureth Sulfosuccinate	16.00	Colonial Chemical
Plantaren 2000	Decyl Glucoside	9.00	Cognis
Glypure L 70%	Glycolic Acid	0.20	Dupont
Phase D			
Beautifruit	Hydrolyzed Mango Juice Extract (& Hydrolyzed Garcinia Mangostama Fruit Extract (& Hydrolyzed Anona Cherimola Fruit Extract	3.00	Presperse
Euxyl K-100	Benzyl Alcohol (& Methylchlorisothiazolinone (& Methylisothiazolinone	0.50	Schulke & Mayr
Ginger Spice XBF-800060	Fragrance	0.15	IFF
FD&C BLUE #1, 1.0% aqua	Blue 1	0.01	N/A
FD&C YELLOW #5 1.0% aqua	Yellow 5	0.01	N/A
Naturebead® R20	Oryza Sativa (Rice) Bran Wax	1.25	Micro Powders, Inc.
NatureGreen 20RS	Oryza Sativa (Rice) Bran Wax (& Chromium Hydroxide Green	0.25	Micro Powders, Inc.
Cosmospheres GT-S	Lactose (& Microcrystalline Cellulose (& Chromium Hydroxide Green (& Tocopheryl Acetate	0.20	Presperse
	Total	100%	

Procedure

- Combine Phase A in main mixing kettle following the listed order with medium prop mixing. Mix for 5 to 10 minutes at 25-35°C until solution is completely clear and free of solids.
- Combine Phase B in side kettle following the listed order with slow prop mixing. Mix for 5 to 10 minutes at 20-25°C until homogeneous opaque slurry is achieved.
- Add Phase B to Phase A with slow prop mixing. Mix for 5 to 10 minutes at 25-35°C.
- Heat Phase AB to 85-90°C while slow prop mixing. Hold at 85-90°C for a minimum of 5 minutes. A completely clear solution free of solids is achieved.
- Combine Phase C in a side kettle following the listed order with slow prop mixing. Mix for 5 to 10 minutes at 20-25°C until a clear solution is achieved. Check pH and adjust to 5.5 – 6.5 with addition of Glycolic acid if needed.
- Add Phase C to Phase AB with very slow prop mixing and hold at 85-90°C for 1 minute with very slow prop mixing.
- Cool Phase ABC down to 40-45°C with very slow prop mixing. Do not aerate.
- Add the ingredients from Phase D in the order listed and with very slow prop mixing to Phase ABC. Wait until each ingredient is fully dispersed before proceeding to the next in order. Do not aerate.
- Continue slow mixing and cool to 25-30°C. Drop batch.