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> 1.0 lbs 1.5 lbs 2.5 lbs

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Original Venus Bark[™] Moisturizing Body Lotion

Weigh the final beaker before you start. At the end weigh again and add water up to 100g (if that is batch size)

PHASE A

Deionized Water	67.40	7643g	16.85 lbs
Disodium EDTA	0.10	11.3 g	.025 lbs
Glycerin	1.00	113.4 g	.25 lbs
STABILEZE QM	0.20	22.7 g	.05 lbs

Sprinkle Stabileze into water, EDTA and glycerin of Phase A with stirring at RT. Heat to 70-75°C with stirring. Continue stirring at 70-75°C for at least 45 minutes. Solution should be clear. The EDTA dissolves readily in water as does the glycerin. The Stabileze must undergo a hydrolysis reaction to dissolve. Just give it time.

PHASE D			
CERAPHYL 230	4.00	453.6g	
CERAPHYL 494	6.00	680.4g	
CERAPHYL 368	10.00	1134g	
PROLIPID 141	5.00	567 g	

 PROLIPID 141
 5.00
 567 g
 1.25 lbs

 Venus Bark Extract™
 1.00
 113.4g
 .25 lbs

Melt Prolipid and add **Venus Bark ExtractTM** slowly, stir until dissolved. Combine Phase B, heat to 75-80C. When Phase A has been stirring at 70-75°C for at least 45 minutes and Phase B is uniform at 75-80°C, add Phase B to Phase A with homogenization. Phase B is added slowly into the vortex of the homogenizer. Easiest done with disposable pipette. Phase B highly flammable and volatile. Try up first, try down another time. See which works better for you. See note above about slow addition of B to A. A white suspension will form almost immediately.

PHASE C

Deionized Water	5.00	567g	1.25 lbs
Sodium Hydroxide, 10% Soln.	0.50	56.7g	.125

the solution dropwise to the homogenizing mixture and the temperature will stay constant.

Add Phase C to batch with homogenization at 70-75°C. When batch appears uniform, turn off heat. Add 0.5 g of a 10% sodium hydroxide solution added to 5 g of water. This is the neutralizer that activates the thickening polymer. Adding the 0.5 g of 10% sodium hydroxide solution to water will not generate much heat. Add

Turn off heat after addition is complete, keep homogenizing until it cools to 35-40. Then switch to mechanical agitation with either a paddle mixer or your Kitchen Aid at a slow speed.

PHASE D GERMALL II

0.65

74 g

Add Phase D with sweep agitation at 35-40°C. Make up for water loss (see initial note) and sweep (paddle mix) to RT.

pH = 5.60 Viscosity = 24,000 cps (Brookfield Model RVT, TC @ 5 RPM)
This formula has passed a 28 day double preservative efficacy test. However, the preservative system has not been optimized to its lowest effective level.

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^{*}Formula Courtesy of Birch and Body

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