

## 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   |
| <b>STABILEZE QM</b> | 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 B

|                            |       |        |          |
|----------------------------|-------|--------|----------|
| <b>CERAPHYL 230</b>        | 4.00  | 453.6g | 1.0 lbs  |
| <b>CERAPHYL 494</b>        | 6.00  | 680.4g | 1.5 lbs  |
| <b>CERAPHYL 368</b>        | 10.00 | 1134g  | 2.5 lbs  |
| <b>PROLIPID 141</b>        | 5.00  | 567 g  | 1.25 lbs |
| <b>Venus Bark Extract™</b> | 1.00  | 113.4g | .25 lbs  |

Melt Prolipid and add **Venus Bark Extract™** 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     |

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



