PARADIGM SCIENCE INC

67 Beaver Avenue
Quincy Building, Suite 8 PO Box 412
Annandale, NJ 08801
Phone: 908-238-0204
Fax: 908-235-4209

Formula # 042916

Therapeutic Venus Bark™ Body Cream

No.	Phase	% By Weight	Ingredient (Trade Name)	INCI Name	SUPPLIER	Batch Size
1	A	65.00	D.I. Water	Water		65.00
2	A	1.00	Botanistat PF-64	Phenoxyethanol (and) Caprylyl Glycol (and) Ethylhexylglycerin (and) Hexylene Glycol	DD ChemCo, Inc.	1.00
3	B	5.00	Glycerin	Glycerin	Protameen Chemicals Inc.	5.00
4	B	0.10	Keltrol CG-T	Xanthan Gum	CP Kelco	0.10
5	B	1.00	Veegum Pure	Magnesium Aluminum Silicate	Vanderbilt Minerals, LLC	1.00
6	C	3.00	PCL Liquid	Cetearyl Ethylhexanoate (and) Isopropyl Myristate	Symrise	3.00
7	C	8.00	Cetiol Sensoft	Proheptyl Caprylate	DeWolf/BASF	8.00
8	C	6.00	Cetiol LC	Coco-Caprylate/Caprate	DeWolf/BASF	6.00
9	C	2.00	**ParaOil™ Rose Hip Seed Oil**	**Rosa Canina (Rose Hips) Fruit Oil**	**Paradigm Science Inc**	2.00
10	C	6.00	Beautyderm HP	Glyceryl Stearate (and) Cetearyl Alcohol (and) Stearic Acid (and) Sodium Lauroyl Glutamate	DKSH North America, Inc.	6.00
11	C	0.10	Covi-ox T-50C	Tocopherol	DeWolf/BASF	0.10
12	D	1.00	**Venus Bark Extract™**	**Betula Alba Bark Extract**	**Paradigm Science Inc**	1.00
13	E	1.00	Sepiplus 400	Polyacrylate-13 (and) Polyisobutene (and) Polysorbate 20	Seppic, Inc.	1.00
14	E	0.80	Xiameter PMX-200 Silicone Fluid 100cs	Dimethicone	Dow Corning Corp.	0.80
		100.00				100.00

Procedure:

1. In main kettle, weigh Phase A ingredients and begin heating to 90°C with homogenizer mixing.
2. Mix Phase B ingredients into a slurry.
3. Slowly add Phase B to Phase A and mix until smooth and homogenous.
4. In another beaker, combine Phase C ingredients and heat to 75°C. Mix until all solids have dissolved.
5. Slowly add Phase D to Phase C and mix until completely dissolved. Maintain batch temperature at 75°C (do not exceed 75°C).
6. Very slowly add combined Phase C and Phase D to combined Phase A and Phase B and mix for 15- 20 minutes. Maintain batch temperature at 85°C - 90°C. Begin cooling.
7. When batch temperature reaches 70°C, switch to propeller mixing and continue cooling to 25°C.
8. Combine Phase E and mix until smooth and homogenous.
9. Slowly add Phase E to the batch and mix until smooth and homogenous. Increase mixing speed as necessary.
10. Package in suitable containers.

Note: Viscosity increases over 24 hours.

Specifications:

Brookfield Model DV II + Viscometer
LVT-E @ 0.5 rpm for 1 minute - 230,300 cps
pH 5.94