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# VANDERBILT

## Minerals Formula

### Veterinary Cream No. A545

	<b>Wt. %</b>
<b>A</b>   <b>VEEGUM<sup>®</sup> R</b> Magnesium Aluminum Silicate (Magnesium Aluminum Silicate)	1.00
<b>VANZAN<sup>®</sup> NF</b> Xanthan Gum (Xanthan Gum)	0.25
Water	79.75
<b>B</b>   Butylene Glycol	5.00
Disodium EDTA	0.20
D- Panthenol USP	0.20
<b>C</b>   Macadamia Ternifolia Nut Oil (Australian Macadamia Nut Oil – Cosmetic Grade <sup>1</sup> )	4.50
Polyglyceryl-3 Distearate (Cremophor <sup>®</sup> GS32 <sup>2</sup> )	3.00
Cetareth-25 (Cremophor <sup>®</sup> A25 <sup>2</sup> )	1.50
Cetearyl alcohol	3.00
Tocopherol Acetate (Vitamin E Acetate Oil USP, FCC <sup>2</sup> )	0.50
<b>D</b>   Retinyl Palmitate (Vitamin A Palmitate <sup>2</sup> )	0.10
<b>E</b>   Hyaluronic Acid (and) Water (Lipo Hyaluronic Acid 1% solution <sup>3</sup> )	1.00
Preservative	q.s.

**Procedure:** While heating the water to 60-65°C, slowly add the **VEEGUM R** and **VANZAN NF** sequentially or as a dry blend to the water agitated at maximum available shear. Mix until fully hydrated. Add Part B and mix until uniform. Maintain the water phase at 60-65°C. Blend the Part C oil phase ingredients and heat to 60-65°C. Add Part C to Part A/B with good agitation. Cool with mixing. At 40-45°C add Part D. At 30°C add Part E. Adjust as necessary to pH 6.5 ± 0.5.

#### RAW MATERIAL SUPPLIERS

<sup>1</sup>Southern Cross Botanical PTY Ltd, Lennox Head, NSW, Australia

<sup>2</sup>BASF Corporation, Florham Park, NJ

<sup>3</sup>Lipo Chemicals, Paterson, NJ

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Cremophor is a registered trademark of BASF Aktiengesellschaft.

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