



Hand Cream

Formulation Reference: FM00212/A

Fast absorbing hand cream to moisturise and smooth. With nail strengthening Vitamin B5, and rich oils of **Texiterra Grapeseed** and **Texiterra Kalahari Melon Seed Oil**, which hydrate, protect and help repair the skin due to their high vitamin and fatty acid content. Contains **Texique HE10** as the main emulsifier, thickener and stabiliser.

Phase	INCI Ingredients	Function	% w/w	Trade Name
A	Aqua	Solvent	Up to 100 %	Deionised Water
	Disodium EDTA	Chelating agent	0.05	Dissolvine NA2 ¹
B	Caesalpinia Spinosa Gum	Thickener	0.20	CobioGum ²
C	Glycerin	Humectant / Moisturising	5.00	Pricerine 9091 ³
	Citric acid	pH Adjuster	0.09	
D	Cetearyl Alcohol	Wax / Consistency factor	2.00	Lanette O ⁴
	Copernicia Cerifera (Carnauba) Wax	Wax / Consistency factor	0.70	Carnauba Wax ⁵
	Cetearyl Olivatate (and) Sorbitan Olivatate	Emulsifier	1.75	Olivem 1000 ⁶
	Butyrospermum Parkii (Shea) Butter	Butter / Skin softening / moisturising	4.00	Cetiol SB 45 ⁴
	Citrullus Lanatus (Watermelon Seed) Oil	Emollient / Skin softening	1.00	Texiterra Kalahari Melon Seed Oil ⁷
	Vitis Vinifera (Grape) Seed Oil	Emollient / Skin softening	3.00	Texiterra Grapeseed Oil ⁷
E	Aluminum Starch Octenylsuccinate	Sensory modifier	1.00	Agenaflo OS 9051 ⁸
F	Sodium acrylate/sodium acryloyldimethyl taurate copolymer (and) C13-15 alkane (and) coco-glucoside	Emulsifier/Stabiliser/Rheology Modifier	3.00	Texique HE10 ⁷
G	Phenoxyethanol (and) Caprylyl Glycol (and) Sorbic Acid	Preservative	1.00	Optiphen Plus ⁹
	Parfum	Fragrance	QS	



H	Aqua	Solvent	3.00	Deionised Water
	Panthenol	Vitamin B5	0.50	Lancos SC PAN ¹⁰

Suppliers: ¹ Nouryon | ² IMCD | ³ Croda | ⁴ BASF | ⁵ The Soap Kitchen | ⁶ Hallstar | ⁷ **Scott Bader**
| ⁸ Agrana | ⁹ Ashland | ¹⁰ OQEMA |

Preparation procedure

1. Weigh out Phase A and mix until dissolved.
2. Sprinkle in Phase B whilst homogenising and homogenise until completely dispersed.
3. Add Phase C and mix until dissolved. Start heating to approximately 80°C.
4. Weigh out Phase D and heat to approximately 80°C.
5. At temperature disperse Phase E into Phase D and mix until completely dispersed.
6. Ensure both are at correct temperature and then add oil phase to water phase with stirring. Homogenise to form uniform smooth emulsion.
7. Cool to below 40°C with gentle stirring.
8. Add Phase F and stir. Homogenise gently to achieve smooth thick emulsion.
9. Add Phase G and mix until uniform.
10. Pre-mix Phase H until dissolved. Then add to main batch and mix until uniform.

The information in this publication is based on laboratory testing and is believed to be accurate and is given in good faith, but no representation or warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions and are not intended for design purposes. Users are responsible for determining the suitability of these products for their own particular purpose and assume all risk and liability whether used singly or in combination with other materials. No representation or warranty, expressed or implied, is made with respect to information or products including, without limitation, warranties of merchantability, fitness for a particular purpose, non-infringement of any third party patent or other intellectual property rights.