



High Quality Lotion Base

ASTON PF108/19

This formulation provides a light, silky base for a low-cost lotion with a luxurious after-feel.

PF108/19 shows that an inexpensive base can be created even using high quality ingredients. The emulsification system used in this lotion forms a liquid crystal structure, leading to superior moisturisation.



Containing:

- **Aminol LGDS** and **Romol AFSK** – Mild emulsification system which forms a liquid crystal structure that can help improve moisturisation.
- **Feligel-305s** – Very effective aqueous thickener which can be used to thicken and stabilise emulsions. It is supplied as a white powder and is easy to use. The viscosity build using Feligel-305s is linear, which helps lead to predictable results.

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PHASE	INGREDIENT	SUPPLIER	%	COMPOSITION	FUNCTION
A	D.I. WATER		81.60	Aqua	Solvent
A	GLYCERIN		5.00	Glycerin	Humectant
B	LIPEX SHEA	AAK	5.00	Butyrospermum Parkii (Shea) Butter	Nourishing emollient with a great crystallisation profile
B	LIPEX BASSOL C	AAK	5.00	Olus Oil	Sustainable natural oil with high oxidative stability
B	AMINOL LGDS	Aston/ Eleco	1.20	Distearyl Lauroyl Glutamate	Non-ionic O/W emulsifier with the ability to form liquid crystal structures due to its structural similarity to ceramides
B	ROMOL AFSK	Aston/ Eleco	0.80	Potassium Cetyl Phosphate	Ionic, extremely mild O/W emulsifier that forms a water resistance film giving formulations a longer lasting effect
B	FELIGEL-305S	Aston/ DX Chemical	0.50	Hydroxyethyl Acrylate/ Sodium Acryloyldimethyl Taurate Copolymer	A highly effective aqueous thickener that is used to thicken and stabilise emulsions and gels
C	EUXYL PE 9010	Schülke & Mayr	0.90	Phenoxyethanol, Ethylhexylglycerin	Preservative

METHOD

1) Combine As and heat to 60-65 °C with stirring.

2) Combine Bs and heat to 60-65 °C with stirring. Ensure adequate dispersion of Romol AFSK and Feligel-305s as these will solubilise when the emulsion forms.

3) Combine A+B and homogenise at around 6000 rpm for 5 minutes. The emulsion should thicken significantly whilst homogenising.

4) Leave to cool to room temperature, then add C and stir until homogeneous.

