



HAIR WAX WITH JOJOBA BUTTER – LM AND JOJOBA AQUA SOL PEG-120

HAIR WAX WITH LANOLIN AND PEG 60 HYDROGENATED CASTOR OIL

A comparative hair wax demonstrating the use of **JOJOBA BUTTER - LM** and **JOJOBA AQUA SOL** as a replacement for Lanolin in a formulation. **JOJOBA BUTTER - LM** adds cushion and structure to the formulation and provides moisturization to the hair, while **JOJOBA AQUA SOL** provides tack. In combination, these ingredients provide the formulator with a superior alternative to Lanolin.

INCI NAME	TRADE NAME	WT. %	WT. %
Phase A			
PEG 60 Hydrogenated Castor Oil	Lipocol HCO-60		3.0
Glyceryl Stearate SE	Dracolin GMS SE ¹	4.0	4.0
PEG-1540	Carbowax Sentry 1450 ²	4.0	4.0
PEG-6000	Carbowax Sentry 8000 ²	4.0	4.0
Cetyl Palmitate	Cutina CP ³	4.0	4.0
Cetyl Alcohol	Crodacol C-70 ⁴	3.0	3.0
Petrolatum	Snow White Petrolatum ⁵	8.0	8.0
Hydrogenated Jojoba Oil	JOJOBA BUTTER – LM ⁶	7.0	
Lanolin	Lanolin		7.0
Isononyl Isononanoate	Dermol 99 ⁷	4.0	4.0
Dimethicone (Methyl Polysiloxane)	SF96-500 Fluid ⁸	6.0	6.0
Phase B			
Glycerin	Emery 916 Glycerine 99.7% ³	19.3	19.3
Jojoba Wax PEG 120 Esters	JOJOBA AQUA SOL PEG-120 ⁶	3.0	
Water		32.7	32.7
Phase C			
Propylene Glycol (and) DMDM Hydantoin (and) Methylparaben (and) Propylparaben	Paragon II ⁹	1.0	1.0
		100.0	100.0

Procedure

Heat phase A and B to 80C and mix until uniform. Add phase A to phase B and homogenize. Continue mixing and cool to 55C to add phase C. Fill jojoba version at 54C; fill lanolin/PEG-60 hydrogenated castor oil version at 44C.

Suppliers

¹ Dragoco

² Dow

³ Cognis

⁴ Croda

⁵ Stevenson – Cooper

⁶ **Desert Whale Jojoba Co., Inc.**

⁷ Alzo

⁸ GE Silicones

⁹ MacIntrye Group, Ltd.

~ MOISTURIZING ~ STRUCTURE ~ VISCOSITY BOOSTING ~

This information is based on our present state of knowledge. No warranty is expressed or implied as to the use or application of this product. The suitability and safety of the final formulation should be confirmed in all respects by appropriate evaluation.