



sederma

Member of Croda International Plc

Development formulation

Night plumper cream with OPTIM HYAL™ (*), SHEA BUTTER & ECHINACELL™ SED1312120 A

(*) Patent N° WO 2010/067327 ; FR 2 939 799 ; US 2011/0250276 ; EP 2,367,852

		% by wt
Part A		
Water deionised	-	Qsp 100
Potassium Sorbate	-	Qs
Part B		
Xanthan Gum	-	0.30
Guar Gum	-	0.15
Glycerin	-	4.00
Phenoxyethanol	-	Qs
Part C		
Crodacol C90-PA-(RB) [Cetyl Alcohol]	Croda	1.50
Crodamol SS-PA-(RB) [Cetyl Esters]	Croda	2.00
Syncrowax HRC-PA-(RB) [Tribehenin]	Croda	1.50
Span 60-PW-(MV) [Sorbitan Stearate]	Croda	1.00
Span 40-PW-(MV) [Sorbitan Palmitate]	Croda	1.50
Cithrol GMIS 40-LQ-(MV) [Glyceryl Isostearate]	Croda	2.50
Crodamol ISIS-LQ-(MV) [Isostearyl Isostearate]	Croda	8.00
Crodamol GTCC-LQ-(MV) [Caprylic/Capric Triglyceride]	Croda	8.00
Crodamol GTIS-LQ-(MV) [Triisostearin]	Croda	2.00
Shea Butter [Butyrospermum Parkii (Shea) Butter]	Sederma	1.00
Part D		
Water deionised	-	3.00
Lactic Acid	-	0.03
Part E		
Echinacel [Glycerin - Echinacea Angustifolia Extract – Xanthan Gum]	IRB (by Sederma)	2.00
Part F		
Optim Hyal™ [Hydrolyzed Yeast Extract - Cetyl Hydroxyethylcellulose - Polyglucuronic Acid - Lecithin]	Sederma	3.00
Part G		
Fragrance (Modern Verbena)	Expressions Parfumées	0.10

Method

Weigh Part A. Weigh and mix Part B, homogenize well. Add Part B to Part A with Staro stirring (s=500 rpm) for 30 minutes. Heat Part A+B to 75°C in bain-marie. Weigh and mix Part C and heat it to 75°C in bain-marie. Pour Part C into Part A+B with very strong Staro stirring (s=2400 rpm, then 1400 rpm). Add Part D below 45°C. Add Part E with Staro stirring (s=1200 rpm). Add Part F with Staro stirring (s=1200 rpm). Add Part G and homogenize well.

This formulation has been subject to limited stability tests and has been shown to perform well. However formulators adopting this approach should ensure to their own satisfaction long term stability and functionality. It is good practice to conduct safety tests on all final formulations prior to marketing. Suggested uses should not be taken as an inducement to infringe any existing patents.

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