

Development Formulation

Healthy Hair and Scalp Gel Cream

SG0063

From scalp to the ends of your hair, this gel cream takes hair health to a new level. For the scalp, the combination of **Matrixyl™ 3000** and **Hairspa™** provide anti-ageing benefits and support a healthy scalp microbiome by preserving the activity of local probiotics on the scalp. For the hair, **Crodamol™ GTS**, a 100% derived natural emollient according to ISO 16128, provides exceptional shine and smoothing benefits. A cold process manufacturing method has been possible through **Amigum™**, delivering a gel format with 100% natural polysaccharides produced through biotechnology.



How to use: Apply a small amount of cream to damp or dry hair and scalp and massage gently. No need to rinse.

Formulation credentials: >97% natural according to ISO16128

Ingredient/INCI Name	Functionality	% w/w
Part A		
Water Deionised (Aqua)	-	To 100
Amigum (Sclerotium Gum) ¹	Thickener	0.85
Part B		
Water Deionised (Aqua)	-	30.00
Lecigel® (Sodium Acrylates Copolymer (and) Lecithin) ³	Thickener	0.55
Part C		
Glycerin	Humectant	2.00
Part D		
Crodamol GTS (C10-14 Alkyl Polypropanediol-3 Myristate) ¹	Shine and smoothness enhancing agent	5.00
Part E		
Matrixyl 3000 (Polysorbate 20, Palmitoyl Tripeptide-1, Palmitoyl Tetrapeptide-7) ¹	Anti-ageing active	3.00
Hairspa (Glycerin (and) Lactitol (and) Xylitol) ¹	Scalp moisturisation and soothing active	2.00
SymOcide® PH (Phenoxyethanol, Hydroxyacetophenone, Capryl Glycol) ⁴	Preservative	1.00
34.37989 Revitalizing Care BD (Parfum, Dimethyl Phenethyl Acetate) ²	Fragrance	0.25
10% Citric Acid	pH Adjuster	0.05

Suppliers: **1: Croda** **2: Iberchem** **3: Lucas Meyer Cosmetics** **4: Symrise**

Procedure:

Add **Amigum** slowly to water while stirring with an anchor impeller for 30 mins at 400-500rpm until a homogeneous gel is formed. In a separate beaker, add Lecigel slowly to water while stirring at 400-500rpm and mix well until a thick gel is formed. Ensure there are no clumps. Once a homogeneous

Amigum gel is formed, add Part B and Part C and mix well. Add Part D to Part ABC and mix well at 500-600rpm. Add Part E. Check pH and adjust to pH 5 – 6.

Appearance: Thick white gel cream; 5.51 ± 0.5 ; Viscosity: $19,200 \text{ cPs} \pm 10\%$ (RV Spindle 5 10rpm 1min). All measurements taken 24 hours after manufacture.
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Stability: 3 months at 4 °C, 25 °C, 45 °C & 50 °C and 5 x -10 °C/+20 °C 24 hour freeze-thaw cycle

Lecigel is a registered trademark of Lucas Meyer Cosmetics.

SymOcide is a registered trademark of Symrise.

This formulation was developed in Asia. Contact your local sales representative with enquiries as ingredient availability can vary by region.

Non-warranty

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