



SE0230J

Stay cool hair & scalp bubbles (in gel) with SILVERFREE™ (*) and HAIRSPA™ (**)

(*) Patent N° FR3 115 209; WO2022/084255; WO2014/080376; EP2 922 864; US,9,534,0155

(**) Patent N° WO 2006/061678

This hair gel offers a playful texture: it combines jelly pearls containing a hair active ingredient, suspended in a styling gel. Just apply with your fingers, the pearls melt and mix instantly with the gel. The active ingredient **Hairspa™**, as a prebiotic complex, restores the microflora balance and provides a long-lasting moisturising effect on the scalp. It is combined with **Silverfree™** which counteracts hair premature ageing leading to greying. Extracted from green algae, **Crodarom® Green Caviar** provides moisturising properties while **Keramatch™ V**, from plant sources, offers an alternative to animal-derived keratin to improve hair strength. In addition, **Sensifoam™** rich in saponins, refreshes the scalp. To be ACTIVELY committed, the formulation is cold processed and has a natural origin content >95%* according to the ISO 16128-1 and ISO 16128-2 standards.



Bubble jelly pearls

Ingredient/INCI Name	Functionality	% w/w
Part A		
Water Deionised (Aqua)	-	To 100
Potassium Sorbate	Preservative	0.10
Part B		
Propanediol	Humectant	20.00
Pentylene Glycol	Humectant	5.00
Algin	Rheology modifier	1.00
Part C		
SP Span™ 20 MBAL (Sorbitan Laurate) ¹	Surfactant	2.00
Jardin zen ⁴	Fragrance	0.10
Part D		
KeraMatch™ V (Aqua (and)Hydrolyzed vegetable Protein (and) Sodium Chloride (and) Sodium Benzoate) ¹	Hair strength	1.00
Part E		
Crodarom® Green Caviar (Glycerin (and) Water (and) Caulerpa Lentillifera Extract) ³	Hydrating and tonifying botanical	1.00
Part F		
Hairspa™ (Glycerin (and) Lactitol (and) Xylitol) ²	Scalp moisturisation and soothing active	2.00
Part G		
Silverfree™ (Glycerin (and) Aqua (and) Palmitoyl-Dipeptide-52) ²	Hair repigmenting active	1.50

Suppliers: 1: Croda 2: Sederma 3: Crodarom 4: Parf'ex

Procedure:

Weigh and mix Part A with normal helix stirring. Weigh and mix Part B. Combine Part B to Part A with helix stirring. Allow swelling for 60 minutes. Weigh and mix Part C. Add Part C to Part A+B. Weigh and add Part D to the previous part. Weigh and add Part E to the previous part and mix with helix stirring. Add Part F and stir well. Weigh and mix Part G. Leave it at least 1 hour without stirring to avoid the formation of bubbles.

Prepare the CaCl₂ bath ref SE0245A (composition and process below). Create the jelly pearls by adding the product drop by drop with an eyedropper in the CaCl₂ Bath ref SE0245A (composition and process below).

Add +/- 12% of the jelly pearls in the styling hair gel ref SE0248E (composition and process below). Mix gently

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SEDERMA



Appearance: Colourless clear gel & off-white pearl opaque; pH: 5.50 ± 0.5 Viscosity: 15.000 cps ± 10% Sp.93, 2.5rpm, 1 min, 25°C, Brookfield DV-I Prime
Stability: 3 months at 4°C, 25°C, 45°C and 1 month at 50°C
Centrifuge 10min @ 3000rpm and 1 x -80°C/+25°C 24 hours freeze-thaw cycle and autoclave 20min @120°C

CaCl2 bath for forming pearls**SE0245A**

Ingredient/INCI Name	Functionality	% w/w
Part A		
Water Deionised (Aqua)	-	To 100
Calcium Chloride Dihydrate (Calcium Chloride) ¹	Salt rheology modifier	0.50

Suppliers: 1: VWR

Procedure:

Part A: weigh the raw material and mix them with normal helix stirring. Allow to cool it at 4°C for 2 hours before using to form the jelly pearls.

Styling Hair gel**SE0248E**

Ingredient/INCI Name	Functionality	% w/w
Part A		
Water Deionised (Aqua)	-	To 100
Potassium Sorbate	Preservative	0.10
Part B		
Pentylene Glycol	Humectant	5.00
Propanediol	Humectant	3.00
Genuvisco® Carrageenan CG-131 (Carrageenan) ⁴	Rheology modifier	0.80
Xanthan Gum FNCS-PC (Xanthan Gum) ⁵	Rheology modifier	0.50
Part C		
Sensifoam™ (Water (and) Glycerin (and) Gypsophila Paniculata Root Extract) ²	Mild cleaning agent	2.00
Part D		
SP Natragem™ E145 NP MBAL (Polyglyceryl-4 Laurate/Succinate (and) Aqua) ¹	Emulsifier	1.00
Jardin zen ³	Fragrance	0.10
Part E		
Water Deionised (Aqua)	-	2.00
Lactic Acid	pH Adjuster	0.10

Suppliers: 1: Croda 2: Crodarom 3: Parf'ex 4: CP Kelco 5: Jungbunzlaeur

Procedure:

Weigh and mix Part A with normal helix stirring. Weigh and mix Part B. Combine Part B to Part A with helix stirring. Allow swelling for 60 minutes. Weigh Add Part C to Part A+B. Weigh and add Part D to the previous part. Weigh and mix Part E. Adjust pH=5.40+/-0.20 with Part E.

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

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Microcare® is a registered trademark of Thor
Genuvisco® is a registered trademark of CP Kelco

*Since the publication of the two parts of the ISO 16128-1 & ISO 16128-2 standards, we are aware of the ins and outs thanks to our involvement in different internal and external task forces at the international level. So, the following values are provided **according to our interpretation of the standard ISO 16128. They are likely to evolve along the way of discussions with professional federations of cosmetic industry.**

Non-warranty

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