Development Formulation

Youth-morphing refreshing day cream with Matrixyl® Morphomics™(*) SE0028Q

(*)Patent Pending

The special combination of Volarest™ FL and Arlacel™ LC in addition to Crodamol™ W and Crodamol™ MM creates a refreshing sensation with a fluid texture that leaves the face smooth and comfortable. By influencing dermal morphology and rebooting the skin's connections, Matrixyl® Morphomics™ constitutes an unprecedented way of combating wrinkle appearance. Crodarom® Coralline™ also adds a touch of freshness and energy. It's time to shape the skin's future with this fresh day cream that offers a global rejuvenating effect.

Ingredient/INCI Name	Functionality	% w/w
Part A		
Water Deionised (Aqua)		To 100
Volarest™ FL (Acrylates/Beheneth-25 Methacrylate Copolymer)[1]	Rheology modifier	0.90
Part B		
Glycerin	Humectant	5.00
Phenoxyethanol	Preservative	0.80
Arlacel™ LC (Sorbitan Stearate (and) Sorbityl Laurate)	W/O emulsifier	2.80
Part C		
Crodamol™ W (Stearyl Heptanoate (and) Stearyl Caprylate)[1]	Emollient	7.50
Crodamol™ MM (Myristyl Myristate)[1]	Emollient	5.00
Crodamol™ SFX (PPG-3 Benzyl Ether Ethylhexanoate)[1]	Emollient	1.00
Tween™ 20 (Polysorbate 20)[1]	Emulsifier	1.50
Part D		
Potassium Sorbate	Preservative	0.10
Part E		
Crodarom® Coralline™ (Water (and) Glycerin (and) Corallina Officinalis Extract)[3]	Refreshing and energising botanical	1.00
Part F		
Water Deionised (Aqua)		0.70
Sodium Hydroxide 30%	pH Adjuster	0.07
Part G		
Intense Glow 478523[4]	Fragrance	0.10
Part H		
Matrixyl® Morphomics™ (Water (Aqua) (and) Pentylene Glycol (and) Caprylyl Glycol (and) N-Prolyl Palmitoyl Tripeptide-56 Acetate)[2]	Anti-ageing active	2.00

Suppliers: 1: Croda 2: Sederma 3: Crodarom 4: Firmenich

Procedure:

Weigh Part A and mix. Weigh Part B and mix. Pour Part B into Part A with rotor stator stirring (s=600 rpm) at 75°C in Bain-Marie. Weigh Part C and heat at 75°C in Bain-Marie. Add Part C into Part A+B, with rapid rotor stator stirring (s=1400 rpm). Weigh and add Part D to the previous part, stir well. Weigh and add Part E to the previous part, stir well. Weigh Part F, stir well. Adjust pH above 6.50 with Part F, stir well. Weigh and add Part G to the previous part, stir well. Add Part H to the previous part, stir well.

Appearance: White opaque emulsion medium viscous; pH: 6.20± 0.5; Viscosity: 70.000 ± 10% Sp.93, 2.5rpm, 1 min, 25°C, Brookfield DV-I Prime
Stability: 3 months at 4°C, 25°C, 40°C and 1 month at 50°C
Centrifuge 10min @ 3000rpm and 1 x -80ºC/+25ºC 24 hour freeze-thaw cycle and autoclave 20min @120°C

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

www.sederma.com sederma@sederma.fr
www.crodarom.com marketing@crodarom.fr
www.crodapersonalcare.com
Asia Pacific pc-asia@croda.com
Europe, Middle East & Africa pc-europe@croda.com
Latin America marketinglatam@croda.com
North America marketing-usa@croda.com