Development Formulation

High requirement urban defence cream with CITYSTEM™, MAJESTEM™ & WONDERLIGHT™

SE0017B

(*) Citystem™: Patent pending - Majestem™: Patent pending – Wonderlight™: Patent WO 2010/044076

This super restorative facial cream featuring **CITYSTEM™, MAJESTEM™** and **WONDERLIGHT™**, is designed to bring back to life skin that has been weakened by urban conditions. Counteracting pollution damage to the skin, this cream counteracts tissue and cell damage to provide a brightening and lifting effect. **Span™ 60** and **Span™ 40** widely used in personal care products are combined with **Cithrol™ GMIS 40** as co-emulsifier. Ideal for skin creams these emulsifiers constitute a synergistic emulsifying system which is readily absorbed by the skin. The latest is also considered as a very substantive emollient even more when joint to **Crodamol™ ISIS, GTCC and GTIS** emollients and nourishing **Prunus Amygdalus Dulcis Oil**. This multi-intensive cream will protect and repair the skin from pollution, stress and ageing damage.

Ingredient/INCI Name	Functionality	% w/w
Part A		
Water Deionised (Aqua)	-	To 100
Potassium Sorbate	Preservative	qs
Sodium Sulfite	Antioxidant	0.01
Part B		
Glycerin	Humectant	4.00
Phenoxyethanol	Preservative	qs
Keltrol™ CG-SFT (Xanthan Gum) [3]	Rheology modifier	0.30
Supercol™ GF (Cyamopsis Tetragonoloba (Guar) Gum) [4]	Rheology modifier	0.15
Part C		
Crodacol™ C90 (Cetyl Alcohol)[1]	Emulsion stabiliser	1.50
Crodamol™ SS (Cetyl Esters)[1]	Emollient	2.00
Syncrowax™ HRC (Tribehenin)[1]	Emulsion stabiliser	1.50
Span™ 60 (Sorbitan Stearate) [1]	O/W co-emulsifier	1.00
Span™ 40 (Sorbitan Palmitate)[1]	O/W co-emulsifier	1.50
Cithrol™ GMIS 40 (Glyceryl Isostearate)[1]	W/O co-emulsifier	2.50
Crodamol™ ISIS (Isostearyl Isostearate)[1]	Emollient	8.00
Crodamol™ GTCC (Caprylic /Capric Triglyceride)[1]	Emollient	5.00
Seatons Almond Oil Organic (Prunus Amygdalus Dulcis Oil)[1]	Emollient	2.00
Crodamol™ GTIS (Triisostearin)[1]	Emollient	2.00
Covi-ox® T90 (Dl Alpha Tocopherol) [5]	Antioxidant	0.10
WONDERLIGHT™ (Caprylic/Capric Triglyceride (and) Humulus Lupulus (Hops) Strobile)[2]	Brightening active	3.00
Part D		
MAJESTEM™ (Glycerin (and) Leontopodium Alpinum Callus Culture Extract (and) Xanthan Gum)[2]	Neck and face lifting active	2.00
Part E		
CITYSTEM™ (Glycerin (and) Marrubium Vulgare Extract)[2]	Pollution defence active	2.00
Part F		
Fragrance [5]	Fragrance	0.10

Suppliers: **1: Croda 2: Sederma** 3: CP Kelco 4: Cargill 5: BASF 6: Expressions Parfumées

Procedure:

Weigh Part A. Weigh and mix Part B. Add slowly Part B to Part A with helix stirring (s=500 rpm) and homogenise well during 30 min. Heat Part A+B to 75°C in bain-marie.

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Weigh and heat Part C to 75°C in bain-marie. Add Part C to Part A+B with strong rotor stator stirring (s=5000 rpm, then 2500 rpm). Add Part D to Part A+B+C with rotor stator stirring (s=2500 rmp) to around 45°C. Add Part E to the previous part with rotor stator stirring (s=2500 rpm).
Homogenise well during the cooling phase. Add Part F to the previous part, below 35°C.

Appearance: Pale yellow cream pH: 5.80± 0.5; Viscosity: 70.000 cps ± 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
Centrifugue 10min @ 3000rpm and 1 x -80ºC/+25ºC 24 hour freeze-thaw cycle and autoclave 20min @120°C

Keltrol is a registered trademark of CP Kelco, a Huber Compagny
Satiagel is a registered trademark of Cargill
Covi-ox is a registered trademark of Basf

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

Non-warranty
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