184_E060_4201 Day Urban Defense Gel

Claims:

Acts as an antioxidant
Helps protect skin proteins from glycation induced damage
Helps to maintain skin youth
Protects the skin from environmental damage
Reduce inflammations
Prevents wrinkle formation and loss of elasticity
Promotes cell regeneration and cell repair
Strengthens the skin barrier
Improves skin hydration and reduces TEWL
Improves skin smoothness and skin feel
Brightens skin tone
Minimizes the appearance of pores
Regulates sebum
Improves skin tone and reduces hyperpigmentation

Phase	Ingredient (our Mat.No.)	INCI	Supplier	Dosage [%]
A	Deionised water	Aqua	/	80.50
	Carnosine (7388)	Carnosine	**Selco Wirkstoffe Vertriebs GmbH**	**1.00**
	Ectoine (7390)	Ectoin		**5.00**
B	CremerGLYC Refined Glycerine 99,5% rapeseed based Ecocert/Cosmos non-organic	Glycerin	Cremer Oleo GmbH & Co KG	5.00
	Hydrolite® 5 green	Pentylene Glycol	Symrise AG	3.00
	Keltrol® CG-BT	Xanthan Gum	Rahn AG	0.50
C	**Carri-Active® Niacinamide (7702)**	Aqua, Glyceryl Citrate/Lactate/Linoleate/Oleate, Niacinamide, Ethyl Oleate	**GfN Herstellung von Naturextrakten GmbH**	**5.00**
D	Citric Acid Solution (10% in water)	Aqua, Citric Acid	/	q.s.
Total				**100.00**

Production Process:

1. Phase A: dissolve ingredients in water at room temperature under stirring with paddle-mixer.
2. Phase B: mix Glycerin and Hydrolite® 5 green at room temperature and silt up Keltrol® CG-BT under stirring with paddle-mixer.
3. Add phase A to B at room temperature.
4. Add phase C and mix until the formulation is homogeneous.
5. Adjust pH ~6.2 with D if necessary.

Specification Values:

Appearance: opaque to slightly white gel
pH-value: 5.5 – 6.8
Centrifugation: no separation (4.000 rpm, 15 minutes)
Viscosity 20°C: 800 – 1500 mPas (R190: Sp 1, 20 rpm)
Stability: 3 months stable at RT, 5°C and 30°C
Microbiology: proven

Disclaimer :
We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking suitability of our products for the envisaged purpose.

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