Natural Appearing and Moisturizing BB Cream with SPF 30++* *(estimated)

BY 3129-94

ELEMENTIS SPECIALTIES

Description

This lightweight multifunctional BB cream provides natural sheer coverage as it hydrates and supports moisturization to the skin, along with the added benefit of broad spectrum UV protection.

Advantages

BENTONE GEL® ABO V and THIXCIN® R rheological additives:

- Provide thixotropic flow properties to improve ease of application and deliver coverage evenly with a natural look
- Improve the suspension of the pigments and actives
- Enhance the stability of the formulation, by providing thermostability, electrolyte tolerance and viscosity

ANTI-AGING SKIN COMPLEX contains MEADOWLACTONE® and MEADOWESTOLIDE® to provide very effective moisturization and significantly improves the skin appearance. It also contains a natural source of Vitamin E.

FANCOR® ABYSSINIAN OIL assists in the dispersion of pigments and promotes an even smooth delivery of the final formulated product.

FANCOL® POLYISO®275-CG provides lubricity.

NANOX® 200 combined with Titanium Dioxide provides broad UVA and UVB protection.

Phase	Ingredient	Supplier	%w/w
A	Cranbe Abyssinica Seed Oil (and) Stearalkonium Hectorite (and) Propylene Carbonate BENTONE GEL® ABO V	ELEMENTIS Specialties	6.45
	Trihydroxystearin THIXCIN® R	ELEMENTIS Specialties	1.50
	Cetyl PEG/PPG-10/1 Dimethicone (Abil EM90)	Evonik	3.50
	PEG-10 Dimethicone (KF6017)	Shin Etsu	2.00
	Hydrogenated Polyisobutene FANCOL® POLYISO® 275 CG	ELEMENTIS Specialties	1.50
	Meadowfoam Estolide (and) Meadowfoam Delta-Lactone (and) Crambe Abyssinica Seed Oil (and) Carthamus Tinctorius (Safflower) Seed Oil (and) Olea Europea (Olive) Oil Unsaponifiables (and) Beta-Sitosterol ANTI-AGING SKIN COMPLEX	ELEMENTIS Specialties	3.00
	Cranbe Abyssinica Seed Oil FANCOR® ABYSSINIAN OIL	ELEMENTIS Specialties	3.00
	Beeswax	Strahl & Pitsch	1.00
	Isononyl Isononanoate (Wickenol 151)	Alzo Inc.	4.50
	Isostearyl Neopentanoate (Crodamol ISNP-LQ)	Croda	4.50
	C12-15 Alkyl Benzoate (Finsolv TN)	Innospec	1.35
	Zinc Oxide NANOX® 200	ELEMENTIS Specialties	1.65
B	Water		32.88
	Glycerin (Pricerine 9091)	Croda	3.00
	Polysorbate 20 (Tween 20)	Croda	2.00
	Butylene Glycol	UPI	3.00
	Sodium Chloride		1.00
C	C12-15 Alkyl Benzoate (and) Titanium Dioxide (and) Alumina (and) Polyhydroxystearic Acid (and) Methicone (TNP50T7)	KOBO	10.00
	Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopherol Acetate (FAS70USI-E)	KOBO	9.00
	Iron Oxides (CI 77491) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopherol Acetate (FAS55ERSI-E)	KOBO	0.81
	Iron Oxides (CI 77492) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopherol Acetate (FAS50EYSI-E)	KOBO	3.26
	Iron Oxides (CI 77499) (And) Cyclopentasiloxane (And) PEG/PPG-18/18 Dimethicone (And) Triethoxycaprylylsilane (And) Tocopherol Acetate (FAS60EBSI-E)	KOBO	0.10
D	Water (and) Sodium Benzoate (and) Potassium Sorbate (Euxyl K712)	Schulke & Mayr	1.00

Procedure:

1. Premix Part A and Part B separately and heat to each 75°C.
2. Add Part B into Part A with higher share for 10-15 minutes.
3. Premix Part C and slowly add into Part A & B and cool down to 50°C-55°C.
4. Transfer to Silverson Homogenizer for 1-3 minus, until the pigments fully dispersed
5. Transfer to a propeller mixer and cool down to below 40°C.
6. Add Part D to the batch and mix well.

Specifications:

Appearance:	Light Tan Smooth Cream
Viscosity:	49800 cps (RV Spindle #6, 0.5 rpm, 30s, 22°C)
Stability:	3 months at 40°C

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