



Formulation

No. 3004

Face Cream with Coconut Oil

DESCRIPTION

This daily face cream is designed to provide long-lasting, non-greasy moisturization and is formulated with premium, gentle ingredients to create a rich texture with a lightweight, invisible feel that is suitable for all skin types. Featured emulsifiers include **Cola®Fax CPE-K MB** for a silky afterfeel and **Cola®Lipid ST** for skin-conditioning properties. Also featured is cationic **Cola®Moist BE 200 MB** to lock in moisture, promoting healthy, hydrated skin.

FORMULATION

Order	INCI Name	Trade Name	%	Function
1	Water	Water	qs to 100.00	Carrier
2	Cetyl Hydroxyethylcellulose	Natrosol™ Plus 330 CS ¹	0.40	Stabilizer
3	Sodium Hydroxide	NaOH 5%	qs to pH 8.5 – 9.0	pH Adjuster
4	Cetyl Phosphate	Cola®Fax CPE-K MB	1.00	Emulsifier, silky afterfeel
5	Stearamidopropyl PG-Dimonium Chloride Phosphate	Cola®Lipid ST	2.00	Emulsifier, skin conditioning
6	Hydroxypropyl Bis-Hydroxyethylmonium Chloride	Cola®Moist BE 200 MB	1.00	Humectant
7	Cetyl Alcohol	Lanette® 16 ²	2.50	Thickener
8	Myristyl Myristate	HallStar® MM ³	3.75	Emollient
9	Isopropyl Palmitate	HallStar® IPP-NF ³	5.00	Emollient
10	Coco-Caprylate	Cetiol® C 5 ²	1.25	Emollient
11	Cocos Nucifera Oil	Coconut Oil	0.60	Skin Nourishing Oil
12	Phenoxyethanol, Ethylhexylglycerin	Euxyl® PE 9010 ⁴	0.50	Preservative
13	Fragrance	Winter Santal Fragrance ⁵	0.10	Fragrance

PROCEDURE

1. In the primary vessel, combine ingredients 1 – 2. Mix until well dispersed, then adjust above pH 8.5 with ingredient 3. Continue mixing until completely hydrated.
2. Heat to 65 – 70°C. Once at temperature, add ingredient 4. Mix until well dispersed.
3. Add ingredients 5 – 6 while maintaining temperature. Mix until uniform.
4. In a separate vessel, combine ingredients 7 – 11 and heat to 65 – 70°C. Once at temperature, slowly add to the primary vessel.
5. Homogenize, then begin cooling to 40 – 45°C.
6. Once at temperature, add ingredients 12 – 13. Mix until uniform.

TYPICAL PROPERTIES

Appearance	Opaque, White Cream
pH (5%)	5.5 – 6.5
Viscosity (Spindle T-E)	300,000 – 500,000 cP
Solids	16.5 – 17.0 %

USAGE INSTRUCTIONS

Gently massage lotion onto clean skin. Avoid contact with eyes.

LIST OF INGREDIENTS

Water, Isopropyl Palmitate, Myristyl Myristate, Cetyl Alcohol, Coco-Caprylate, Cetyl Phosphate, Stearamidopropyl PG-Dimonium Chloride Phosphate, Hydroxypropyl Bis-Hydroxyethylmonium Chloride, Cocos Nucifera (Coconut) Oil, Phenoxyethanol, Ethylhexylglycerin, Cetyl Hydroxyethylcellulose, Fragrance, Sodium Hydroxide

SUPPLIERS

¹Ashland, ²BASF, ³HallStar, ⁴Schülke & Mayr, ⁵Orchidia Fragrances

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