



Formulation

No. 4022

Natural BB Cream

DESCRIPTION

This formulation contains **Poly Suga®Mulse D6**, **Cola®Lipid C**, and **Colonial Monolaurin MB** for an all-in-one facial cream to replace your moisturizer, primer, foundation, and sunblock with broad spectrum mineral based SPF 15 protection. Can be worn alone or under your makeup for added coverage. Great for everyday use!

FORMULATION

Order	INCI Name	Trade Name	%
A	Water	Water	qs to 100.00
A	Cetyl Hydroxyethylcellulose	Natrosol Plus 330 CS ¹	0.50
A	Glycerin	Glycerin	3.00
A	Sorbitan Oleate Decylglucoside Crosspolymer	Poly Suga®Mulse D6	4.00
A	Cocamidopropyl PG-Dimonium Chloride Phosphate	Cola®Lipid C	1.50
A	Glyceryl Laurate	Colonial Monolaurin MB	0.75
B	Zinc Oxide and Titanium dioxide and Caprylic/capric triglyceride and Polyhydroxystearic acid and Alumina and Stearic acid	Xperse® 301 ²	15.00
B	Cetyl Alcohol	Lanette® 16 ³	5.00
B	Isoamyl Laurate	Dermofeel® Sensolv ⁴	5.00
B	Coco-Caprylate	Cetiol® C 5 ³	5.00
B	Titanium Dioxide	Titanium Dioxide COD ⁵	6.00
B	Iron Oxides	Yellow Iron Oxide COD ⁵	3.18
B	Iron Oxides	Red Iron Oxide COD ⁵	0.47
B	Iron Oxides	Black Iron Oxide COD ⁵	0.35
C	Zea Mays (Corn) Starch	Farmal™ CS 3757 ⁶	2.00
C	Sodium Benzoate and Potassium Sorbate	MicroCare SB ⁷	0.50

PROCEDURE

1. In primary vessel, combine Water and Cetyl Hydroxyethylcellulose. Hydrate per manufacturer instructions.
2. Heat to 75-85°C while adding remaining phase A ingredients.
3. In a side vessel, combine phase B ingredients. Heat to 75-85°C.
4. Once both phases are homogeneous and at temperature, increase mixing and add B to A slowly.
5. Homogenize.
6. Cool to 45°C and add remaining ingredients. Adjust to pH 5.0 – 5.5 with citric acid.

TYPICAL PROPERTIES

Appearance Medium to Dark Tint
 pH 5.0 – 5.5
 Viscosity 50,000 cps

ACTIVE INGREDIENTS

Zinc Oxide 4.5%
 Titanium Dioxide 4.5%

SUPPLIERS

¹Ashland, ²Umicore, ³BASF, ⁴Dr. Straetmans, ⁵Sun Chemical, ⁶Ingredion, ⁷Thor

Colonial Chemical, Inc. *Natural Surfactants*

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