



# Formulation

No. 4018

## Natural BB Cream

### DESCRIPTION

This formulation contains **Poly Suga®Mulse D6**, **Cola®Lipid C**, and **Colonial Monolaurin** 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 <sup>1</sup>	0.50
A	Glycerin	Glycerin	3.00
A	Sorbitan Oleate Decylglucoside Crosspolymer	<b>Poly Suga®Mulse D6</b>	4.00
A	Cocamidopropyl PG-Dimonium Chloride Phosphate	<b>Cola®Lipid C</b>	1.50
A	Glyceryl Laurate	<b>Colonial Monolaurin</b>	0.75
B	Zinc Oxide and Titanium dioxide and Caprylic/capric triglyceride and Polyhydroxystearic acid and Alumina and Stearic acid	Xperse® 301 <sup>2</sup>	15.00
B	Cetyl Alcohol	Lanette® 16 <sup>3</sup>	5.00
B	Isoamyl Laurate	Dermofeel® Sensolv <sup>4</sup>	5.00
B	Coco-Caprylate	Cetiol® C 5 <sup>3</sup>	5.00
B	Titanium Dioxide	Titanium Dioxide SWD <sup>5</sup>	6.00
B	Iron Oxides	Yellow Iron Oxide SWD <sup>5</sup>	1.14
B	Iron Oxides	Red Iron Oxide SWD <sup>5</sup>	0.24
B	Iron Oxides	Black Iron Oxide SWD <sup>5</sup>	0.08
C	Zea Mays (Corn) Starch	Farmal™ CS 3757 <sup>6</sup>	2.00
C	Sodium Benzoate and Potassium Sorbate	MicroCare SB <sup>7</sup>	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

### TYPICAL PROPERTIES

Appearance Light to Medium Tint  
pH 6.0  
Viscosity 50,000 cps

### ACTIVE INGREDIENTS

Zinc Oxide 4.5%  
Titanium Dioxide 4.5%

### SUPPLIERS

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

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