



SKIN CARE,
THE WAY **NATURE INTENDED™**

Blueberry Body Buttercream

Formula Index: **BD2404-18**

#	Phase	Trade Name	INCI Name	Function	% (w/w)
1	A	Deionized water	Water / Aqua	Diluent	q.s.
2	A	Glycerin USP 99%	Glycerin	Humectant	5.00
3	A	Sepilife G305	Acrylamide/Sodium Acryloyldimethyltaurate Copolymer, C15- 19 Alkane, Polyglyceryl-10 Laurate, Polyglycerin-10	Polymer/ Thickener	3.50
4	B	Blueberry Butter®	Octyl dodecanol, Beeswax, Vaccinium Myrtillus (Blueberry) Seed Oil	Natural Moisturizing Complex™	10.00
5	B	Vitamin E	Tocopherol Acetate	Antioxidant	0.80
6	C	Kem Nat	Benzyl Alcohol, Glyceryl Caprylate, Glyceryl Undecylenate	Preservative*	0.80
7	C	Fragrance	Parfum	Fragrance**	q.s.
8	C	Colourant	Colourant	Colourant**	q.s.
9	---	Sodium Hydroxide (50% Solution)	Sodium Hydroxide	pH+ Adjuster	q.s.
10	---	Citric Acid (25% Solution)	Citric Acid	pH- Adjuster	q.s.

* The specific preservative to be used by the customer in any development of this formulation should be in-line with local regulations and/ or the customer's own policies

** The use of and levels of a fragrance and/or colourants are purely optional and at the customer's discretion



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Procedure

Aqueous Phase (A):

- Into the main vessel charge **#1 and #2**, and setup mixer with Dispersion Blade
- Commence mixing at room temperature a moderate speed then add **#3** and begin to heat to 70 ± 1 °C.
- Continue mixing for approximately 30 minutes at the batch heats up to target temperature.
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Oil Phase (B):

- In a separate vessel setup mixer with Dispersion Blade.
- Charge all the components of **Phase B (#4 and #5)**.
- Commence heating to 70 ± 1 °C while mixing at moderate speed.

Completion:

- When both vessels are at 70 ± 1 °C add liquified **Phase-B** to the main vessel containing the gelled **Phase-A** while mixing at 350 rpm.
- Continue mixing for 10 minutes, then homogenize for 5 minutes at 2,400 rpm.
- Return back to regular mixing at slow speed using an Anchor Blade and begin.
- When main vessel is at 45 ± 1 °C add all the applicable components of Phase-C (**#6, #7, and #8**).
- Verify and adjust pH to final target using **#9** and **#10** as required (generally no adjustment is needed).
- Continue to cool until room temperature.

Target Characterization		References	
Appearance @ 25 °C:	Heavy and thick. "Buttercream – like "	TC USA Inc.: (#4)	
Colour:	As desired	Seppic: (#3)	Akema: (#6)
pH (ASIS) @ 25 °C:	6.0 to 6.4		
Total Water Content (%):	74.9		

Formula Key Attributes

- | | | | |
|---|---|---|---|
| ✓ | Contains upcycled ingredients | ✓ | Phytosterol, squalene, anthocyanins and carotenoids |
| ✓ | Moisturizing | ✓ | High Omega-3 (α -linolenic) fatty acids |
| ✓ | Antioxidants (α -, γ -, and δ -tocopherols) | | |