BELLY JELLY

FORMULA CODE: GLP-0031 **VERSION DATE:** 12/23/24

GREEN LINE INGREDIENTS

TRADE NAME | SUPPLIER	INCI	%
PHASE A		
SustOleo DCS / Inolex	Diisooctyl Succinate	17.50
Gransense TC-21 X/C / Grant Industries	Triheptanoin (and) Coco-Caprylate/Caprate (and) Dilinoleic Acid/Butanediol Copolymer (and) Castor Oil/IPDI Copolymer	8.00
Citrolatum C / P2 Science	Polycitronellol (and) Euphorbia Cerifera (Candelila) Wax	10.00
Sunflower Wax [258P] / Koster Keunen	Helianthus Annuus (Sunflower) Seed Wax	1.50
Cocoa Butter (American Refined [286B] / Koster Keunen	Theobroma Cacao (Cocoa) Seed Butter	1.00
GreenWax™ GO MB / Green Line	Glyceryl Oleate	1.00
GreenWax™ PGPR MB / Green Line	Polyglyceryl-3 Polyricinoleate	2.00
Granpowder BBP-700 / Grant Industries	Saccharomyces Ferment (and) Lauroyl Lysine	5.00
PHASE B		
DI Water / Stock	Water	41.20
PHASE C		
Butylene Glycol / Stock	Butylene Glycol	5.00
Organic Glycerin / Stock	Glycerin	5.00
Xanthan Gum / Stock	Xanthan Gum	0.70
PHASE D		
GreenGard™ LB / Green Line	Water (and) Arginine (and) Levulinic Acid (and) Benzoic Acid	2.00
GreenGard™ PA / Green Line	Phytic Acid (and) Water	0.10
PHASE E		
Sodium Hydroxide (25% Solution) / Stock	Sodium Hydroxide	0.00
Citric Acid (50% Aqueous Solution) / Stock	Citric Acid (and) Water	0.00

PROCESSING

1. In a clean and sanitized mixing vessel weigh Phase A and begin propeller mixing while heating to 80°-85°C.

2. In a suitably sized side kettle, weigh Phase B and begin propeller mixing while heating to 80°-85°C.

3. Slowly In a separate vessel, weigh Phase C add pre-blend to a uniform slurry. Slowly add pre-blend to side kettle while propeller mixing. Ensure complete dispersion of pre-blend in side kettle prior to continuing.

4. When side kettle is uniform, add Phase D ingredients, one at a time, and disperse completely. Continue mixing.

5. When Check pH of side kettle. If needed, adjust with ingredients listed in Phase E. Ensure side kettle is uniform and in spec before continuing.

6. When both kettles are uniform, switch main kettle to homogenization. Slowly add side kettle to main kettle while homogenizing and maintaining temperature. Remove from heat and continue to mix for 15 seconds - 2 minutes/100g final batch size.

7. When main kettle is uniform, cool with side-sweep agitation. If needed, homogenize for additional 15 seconds - 1 minute/100g final batch size at 35°-40°C. When uniform, continue cooling with side-sweep.

8. When uniform, drop batch into appropriate containers through in-line homogenizer at 35°-40°C.

FORMULA SPECIFICATIONS (at room temperature):

Appearance: Viscous cream/balm, TMS
Color: White to off-white, TMS
Odor: Characteristic, TMS
pH: 4.5-5.5 (Water phase only)
Viscosity: 30,000 - 60,000 cPs

Please note: *The information provided on this formulation sheet is provided as guidance and subject to change. This formula is not intended to be a commercial product.*