## Applechem Formulary - Cleansing

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## Sensory Blanket Body Wash (CL-B 003)

A rich body wash featuring gentle cleansing paired with a warm, enveloping fragrance. The combination of a glutamate-based surfactant system, high fragrance load, and Sorbithix L-100 creates a mild cleansing feel while retaining strong viscosity and crystal clear clarity.

**SorbiThix** is the best in the class of non-ionic associative thickeners. It brings high perfume, high clarity and high viscosity with good foaming ability to ANY surfactant systems on the market, even the most challenging glutamate surfactant systems.

| PHASE | INCINAME (TRADE NAME)                                   | SCG<br>USAGE (WT%) |
|-------|---|--------------------|
| A     | Distilled Water   | 32.75              |
|       | Disodium EDTA   | 0.10               |
|       | Cocamidopropyl Betaine (35% active)                     | 8.00               |
|       | Sodium Cocoamidopropyl Hydroxysultaine (Amphosol CS-50) | 4.00               |
|       | Sodium Cocoyl Glutamate (20% Ajinimoto CS11 Solution)   | 45.0               |
|       | SorbiThix L-100   | 3.85               |
| В     | Guar Hydroxypropyltrimonium Chloride (Jaguar Excel)     | 0.10               |
|       | Glycerin  | 2.00               |
|       | Distilled Water   | 1.00               |
| C     | Wild Currant & Orange Flower Perfume (Creative 8661)    | 3.00               |
|       | Preservative (DMDM Hydantoin)                           | 0.20               |
| D     | Citric acid to pH 5.5                                   | Q.S.               |
|       |   |                    |

## Specifications

- 🍎 🛛 Viscosity: 10,980 cp
- ĕ pH: 5.5
- 50°C oven: 1 month stable
- Freeze-Thaw: Passed 3 Cycles

## **Processing Method**

- 1. Set and heat water bath to 65-67 Celsius.Add Phase A to a beaker and mix at 60-65 Celsius for 25 minutes (450-550 rpm)
- 2. Premix Phase B separately then add to mixer using water to rinse container. Let mix for another 25 minutes at 60-65 Celsius.
- 3. Cool the batch to below 40 Celsius and add Phase C. Let mix for another 5 minutes then adjust pH to 5.5.

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