Clear n' Effervescent Shampoo (SH-002)

Normally shampoos with 3% perfume or higher will lose clarity, viscosity, or foaming. Our Clear n' Effervescent Shampoos demonstrate that you can create transparent, high viscosity shampoos in both sulfate and sulfate-free systems even with the addition of strong fragrance loads. These shampoos are clear and shear resistant with excellent soft flow, without any of that gummy afterfeel associated with traditional thickeners.

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.

Specifications

- Viscosity~ 10,000 cp
- pH: 5.5
- *50°C oven: 1 month stable*
- *Freeze-Thaw: Passed 3 Cycles*

PHASE	INCI NAME (TRADE NAME)	SLES USAGE (WT%)	AOS USAGE (WT%)	SCG USAGE (WT%)
A	Distilled Water	66.4	57.6	30.8
	Disodium EDTA	0.10	0.10	0.10
	Cocamidopropyl Betaine (35% active)	10.0	11.4	8.00
	Sodium Lauryl Ether Sulfonate (70% active)	14.0		
	Sodium C14-16 Olefin Sulfonate (Bio-Terge AS-40)		20.0	
	Sodium Cocoamidopropyl Hydroxysultaine (Amphosol CS-50)			4.00
	Sodium Cocoyl Glutamate (20% Ajinimoto CS11 Solution)			45.0
B	Guar Hydroxypropyltrimonium Chloride (Jaguar Excel)	0.10	0.10	0.10
	Glycerin	1.00	3.00	2.00
	Distilled Water	1.00	1.00	1.00
C	SorbiThix L-100	2.40	2.50	3.85
D	Amodimethicone (and) C11-15 Pareth-7 (and) laureth-9 (and) Glycerin (and) Trideceth (Silsoft 253)	1.00	1.00	
	Aqua (and) Silicone Quaternium-18 (and) Trideceth-6 (and) Trideceth-12 (Silsoft Q PMF)			1.00
E	Wild Currant & Orange Flower Perfume (Creative 8661)	3.00	3.00	3.00
	Disodium EDTA		0.10	
	Citric acid to pH 5.5	Q.S.	Q.S.	Q.S.
	Preservative (DMDM Hydantoin)	1.00	0.20	0.20

Processing Method

1. Using a propeller mixer, mix Phase A (300-400rpm) in a water bath at 60-65 Celsius.
2. Premix Jaguar Excel and Glycerin, and add to Phase A. Rinse the container with water. Mix for 5-10 minutes at 450-650 rpm.
3. Add Phase C slowly with good mixing then mix for 10-15 minutes at 500-700rpm at 60-65 Celsius.
4. Add Phase D then continue mixing for 25 minutes at 60-65 Celsius.
5. Cool the batch to below 40 Celsius before adding Phase E. Mix for 3 to 5 minutes. Adjust pH to 5.5-5.8.

Create Possibilities

EDITION: MARCH 2017
REF #: SLES: SH-1703-S4-SLES
AOS: SH-1907-S2-AOS
SCG: SH-1703-S3-SCG