



## Be Kind, Unwind Recovery Shampoo (SH-001 V2)

You can create transparent, high viscosity shampoos in Sarcosinate and Glycinate surfactant systems 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 for Sarcosinate  
15,560 cP for Glycinate
- 🍎 pH: 6-6.5 for Sarcosinate;  
6.9-7.2 for Glycinate
- 🍎 50°C oven: 1 month stable
- 🍎 Freeze-Thaw: Passed 3 Cycles

### Processing Method (For Sarcosinate)

1. Set and heat water bath to 60-62 Celsius.
2. Add Phase A to a beaker and mix at 60-62 Celsius for 5 minutes (450-550 rpm).
3. Add citric acid solution to adjust pH then continue mixing for another 15-20 minutes.
4. Add Phase B. Premix Phase C separately then add to mixer using water to rinse container. Let mix for another 5 minutes at 60-65 Celsius.
5. Add Phase D then continue mixing for 5 minutes at 60-65 Celsius.
6. Cool the batch to below 40 Celsius and add Phase E. Let mix for another 5 minutes then adjust pH to the specification if needed.

PHASE	INCI NAME (TRADE NAME)	SARCOSINATE USAGE (WT%)	GLYCINATE USAGE (WT%)
<b>A</b>	Distilled Water	43.58	39.87
	Alkyl Polyglucoside (Plantaren® 2000 N UP)	4.00	
	Cocamidopropyl Betaine (35% active)	11.42	11.43
	Sodium Cocoyl Isethionate	2.00	
	Potassium Cocoyl Glycinate (20% Amilite GCK11 solution)		40.0
	Sodium Lauroyl Sarcosinate (25% active ; SinoLion S-12)	24.0	
	<b>SorbiThix L-100</b>	3.70	3.30
<b>B</b>	Aqua (and) Silicone Quaternium-18 (and) Tri-deceth-6 (and) Trideceth-12 (Silsoft Q PMF)	1.00	1.00
<b>C</b>	Guar Hydroxypropyltrimonium Chloride (Jaguar Excel)	0.10	0.10
	Glycerin	2.00	2.00
	Distilled Water	1.00	1.00
<b>D</b>	Betaine (Genecare OSMS BA)	3.00	
<b>E</b>	Wild Currant & Orange Flower Perfume (Creative 8661)	1.00	1.00
	Disodium EDTA	0.10	0.10
	Citric acid to pH on the specification if needed	2.90	Q.S.
	Preservative (DMDM Hydantoin)	0.20	0.20

### Processing Method (For Glycinate)

1. Set and heat water bath to 60-62 Celsius.
2. Add Phase A to a beaker and mix at 60-62 Celsius for 25 minutes (450-550 rpm)
3. Add Phase B. Premix Phase C separately then add to mixer using water to rinse container. Let mix for another 25 minutes at 60-65 Celsius.
4. Cool the batch to below 40 Celsius and add Phase E. Let mix for another 5 minutes then adjust pH to 6.8-7.2.

Create Possibilities