

**TITLE: NATURAL GENTLE SHAMPOO**

**FORMULATION: BC-35-24**

Ingredient	Product Type	Market Focus	Function	Skin Types	Method	Snap Shot
	Hair Shampoo	All	Moisturization Cleansing	All	Cold Process	Natural gentle shampoo for everyday use containing Karmyn™ Protein and Hydresia®

**Key Ingredients**

Trade Name	INCI Name	Wt%
<b>PHASE A</b>		
Water	Aqua	QS
<b>PHASE B</b>		
Glycerin	Glycerin	5.00
Genuvisco CG-131 (CP Kelco)	Carrageenan	0.40
Keltrol CG SFT	Xanthan Gum	0.80
<b>Karmyn™ (Botaneco)</b>	<b>Carthamus Tinctorius (Safflower) Seed Extract</b>	<b>0.50</b>
<b>PHASE C</b>		
Plantaren 2000 (BASF)	Decyl Glucoside	20.00
Plantaren 1200 (BASF)	Lauryl Glucoside	10.00
Floraester K-20W (Floritech)	Hydrogenated Jojoba Esters	1.25
<b>PHASE D</b>		
<b>Hydresia® SF2 (Botaneco)</b>	<b>Carthamus Tinctoris (Safflower) Oleosomes + Water</b>	<b>5.00</b>
Baracare ARS Hair System (Beraca)	Passiflora Edulis Seed Oil, Oriza Sativa Rice Bran Oil, Euterpe Oleracea Fruit Oil	1.50
Fragrance	Fragrance	0.30
<b>PHASE E</b>		
Geogard Ultra (Lonza)	Gluconolactone + Sodium Benzoate	1.50
<b>PHASE F</b>		
Citric Acid 25%	Citric Acid	1.75

**Procedure**

1. Premix ingredients of Phase B and add to Phase A under strong agitation. Mix 30 minutes.
2. Add ingredients from Phase C in order of appearance. Mix until homogenous. Heating to 40-45°C will accelerate the process.
3. Mix together the ingredients from Phase D at 400 rpm for 20 minutes. Add to the batch.
4. Adjust the pH between 3.8 - 4.2 with Phase F after 24 hours.

**SPECIFICATIONS**

Viscosity: Brookfield RVF (Spindle #5 @20 rpm): 5000cps

**Sales & Technical Support**

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