

CA 1050 Baby Shampoo

Ingredients	%(w/w)	Functions	INCI designation	Supplier
Phase 1				
Water	qs to 100	Diluent		
EDTA	0.05	Chelating agent		
Betaine	7	Foam Booster		Corum
SLES N70	15	Surfactant		
Corum 3532	8	Co-surfactant	Disodium Cocoamphoacetate	Corum
Floraesters K-20W	2	Emollient ester	Hydrolyzed Jojoba Esters (& Water (Aqua)	Floritech
L.A.S	1	Super fatting agent	PEG -8 Caprylic/Ca pric Glycerides	Gattefosse
PEG-150 Distearate	1.5	Thickener		
Phase 2				
Citric Acid	qs	pH modifier		
Phase 3				
Water	4	Diluent		
Syntran 5903	1	Opacifier		Interpolymer
Phase 4				
Phyltherm Vegetol C2	2	Moisturizing agent	Hydrolyzed Soy Protein	Gattefosse
Microcare IT	0.06	Preservatives		
Phase 5				
Polysorbate 20	qs	Rheology Modifier		
Total	100			

Process:

1. Add all the ingredients in Phase 1 into water and stir until homogeneous. Then, heat Phase 1 about 70°C with agitation until all the PEG-150 Distearate dissolved.
2. Use citric acid to adjust the pH of the mixture from 5-5-6.5.
3. Premix water and Syntran 5903 in Phase 3 and add to Phase 1.
4. When the mixture cool down to about 40°C and the ingredients in Phase 4 accordingly to Phase 1 and stir until homogenous.
5. Finally, use Polysorbate 20 to adjust the viscosity of the mixture until it reached the desired viscosity.

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