

# Formulation

Name	<b>SHOWER CONCENTRATED SERUM</b>	
No.	1505	
Description	A fluid and concentrated shower serum that cleans your body and skin with only a small amount of product and generates less packaging. The use of key selected high performing sulfate-free, ethylene oxide-free (EO-free), and nitrosamine-free surfactants will provide a high lather quality foam for an enriched sensory experience. STEPAN-MILD® GCC-FL/MB, a naturally derived and COSMOS approved ingredient is used as a foam volume booster and gives a soft and cushioned feel to the skin. The Natural Origin Content (ISO 16128 score) of this concentrated formulation is 0.93.	
Formulation	<b>INGREDIENTS:</b>	<u>% by Weight</u> <u>Functionality</u>
	=== Phase 1 ===	
	AMPHOSOL® DM/MB	40.00 Secondary Surfactant
	LATHANOL® LAL COARSE/MB	5.00 Secondary Surfactant
	=== Phase 2 ===	
	Glycerin (Oleon)	14.00 Emollient
	ALPHA-STEP® PC-48	35.00 Primary Surfactant
	Propylene Carbonate	3.55 Solvent
	Sodium Benzoate (Chimie Plus S.A.)	0.50 Preservative
	Amande 058 (Givaudan S.A.) Fragrance	0.35 Fragrance
	STEPAN-MILD® GCC-FL/MB	0.50 Foam Booster, Skin Feel
	=== Phase 3 ===	
	Citric Acid (20% Solution)	1.10 pH Adjuster
	<b>Total</b>	<b>100.00</b>
Procedure	<ol style="list-style-type: none"> <li>1. In a vessel, introduce ingredients from phase 1 under agitation and heat until a liquid and transparent phase is observed (this will occur approximately at 60°C/140°F).</li> <li>2. Stop heating and add phase 2 ingredients with mixing in the order listed. Haziness may occur after the introduction of ALPHA-STEP® PC-48, however the Propylene Carbonate when added will bring clarity back to the solution.</li> <li>3. Adjust the pH to be between 5.0 and 5.5 using the Citric Acid (20% Solution).</li> </ol>	
Physical Properties	Appearance, as is	Light yellow, clear fluid
	pH, as is	5.0 - 5.5
	Viscosity at 25°C (LV1 at 30 rpm), cps	500 - 800
Storage/Stability	4 weeks at 5°C	Stable
	4 weeks at 20°C	Stable
	4 weeks at 45°C	Stable
Instructions for Use	Apply a small amount to the skin and later and rinse under water. A sponge can be used to generate the maximum amount of foam, and it also allows for homogenous application on the body.	

External  
Comment

Marketing Notes: INCI List - Aqua, Glycerin, Sodium Methyl 2-Sulfolaurate and Disodium 2-Sulfolaurate, Coco-Betaine, Propylene Carbonate, Sodium Lauryl Sulfoacetate, Sodium Benzoate, Fragrance, Glyceryl Caprylate/Caprata, Citric Acid, Propanediol. This formulation is considered to have a 93% natural origin content considering only the Stepan ingredients and water per ISO 16128.

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Assistance

For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or +33 476 505 100 (Europe).  
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