



Reference Formula

Sample preparation date: 2025/07/31

極緻滑順修護洗髮精 Silky Smooth Repair Shampoo

T250730-1

Description: **DOWSIL™ CE-7051 POE Emulsion** is a small particle size silicone emulsion of a high molecular weight polydimethylsiloxane. The improved wet/dry combing and sensory evaluation of DOWSIL™ CE-7051 POE Emulsion have been demonstrated in a shampoo formulation.

FORMULA

Phase	Ingredient (Trade Name)	Ingredient (INCI Name)	% By Weight	Function
W1	D.I Water	D.I Water	Up to 100	Water
	EDTA-2Na	Edetate Disodium	0.05%	Chelating Agent
	Eucarol® SCA⁴	Sodium Cocoyl Alaninate	15.00%	Surfactant
	Sodium Lauroyl Sarcosinate (LS-30)¹⁴	Sodium Lauroyl Sarcosinate	10.00%	Surfactant
	Ecosence 3000 surfatant¹	Decyl Glucoside	5.00%	Surfactant
	AMPHOSOL CDB-HP¹³	Cetyl Betaine	8.00%	Surfactant
	FOAMYSENSE 205¹	PEG-14M	0.07%	Skin feel modifier
W2		Guar	0.20%	Conditioning Agent
	Esafior® ZERO-XB⁴	Hydroxypropyltrimonium Chloride		
	UCARE™ JR-400 Polymer¹	Polyquaternium-10	0.10%	Conditioning Agent
	D.I Water	D.i Water	10.00%	Water
W3	ACULYN 98 Rheology Modifier¹	Acrylates/Steareth-20 Methacrylate Crosspolymer	6.00%	Thickener
	D.I Water	D.i Water	10.00%	Water
A	TEA (99%)	Triethanolamine	Q.s	Neutralizer
	DOWSIL™ CE-7051 POE Emulsion¹	Dimethiconol (and) TEA-Dodecylbenzenesulfonate	3.00%	Conditioning Agent
	Perfume	Perfume	Q.s.	Perfume

Recommendations contained, herein this Reference Formula, are advisory only.

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Alpaflor Edelweiss CB²	Glycerin, Aqua, Leontopodium Alpinum Extract, Citric Acid, Sodium Benzoate, Potassium Sorbate	0.50%	Active
Sharomix™ EG10²⁵	Ethylhexylglycerin, Phenoxyethanol	0.50%	Preservative

Suppliers: 1. DOW ; 2.DSM; 4. Lamberti ; 13.Stepan ; 14ErcaWilmar 25.Sharon

PROCEDURE

1. Stir W1 until clear.
2. Add phase W2 to phase W1 under stirring.
3. Add phase W3 into main tank in order, adjust the pH value.
4. Finally, add A into the main tank

SPECIFICATION

APPEARANCE	: Viscous Liquid	
VISCOSITY	: approx.4720 ± 10%	(RVDV-E, RV5, 50rpm, 3 min, 25°C)
pH	: approx. 6.5 ± 0.5	(25°C)

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