



Reference Formula

Sample preparation date: 2/9/22 4:07 PM

Extremely Shield shampoo 護色洗髮精

W211230-1

FORMULA

Phase	Ingredient (Trade Name)	Ingredient (INCI Name)	% By Weight	Function
W1	D.I Water	D.I Water	up to 100	
	N70	Sodium Lauryl Ether Sulfate	13.00%	Surfactant
	Ammonyx[®] LMDO¹³	Lauryl/Myristyl Amidopropyl Amine Oxide	6.50%	Surfactant
	EDTA-2Na	Edetate Disodium	0.20%	Chelating Agent
W2	D.I Water	D.I Water	10.00%	
	UCARE[™] Extreme Polymer¹	Polyquaternium-10	0.30%	Thickener, Conditioning Agent
W3	D.I Water	D.I Water	10.00%	
	ACULYN Excel¹	Acrylates Copolymer	6.45%	Thickener
A	NaOH(30% soln')	Sodium Hydroxide	q.s.	pH Adjuster
B	HydroxySHIELD[™] Polymer¹	Bis-Diisopropanolamino-PG-Propyl Disiloxane/Bis-Vinyl Dimethicone Copolymer	1.00%	Color Protection, Conditioning Agent
	Escapo¹⁶	Fragrance	0.30%	Fragrance
	Preservative	Preservative	q.s.	Preservative
	Opuly³⁰¹	Styrene/Acrylates Copolymer	0.20%	
	Citric Acid (30% soln')	Citric Acid	q.s.	pH Adjuster

Suppliers: 1. Dow Chemical; 13. Stepan ; 16. Lothar Streeck

PROCEDURE

1. Prepare Phase W1 under stirring.
2. Add Phase W2 into Phase W1 under stirring.
3. Add Phase W2 into Phase W1 under stirring ,than add Phase A adjust the pH value up to 8.
4. Add Phase B in order and make sure it mix well, adjust the final pH value between 6~6.5.

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

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SPECIFICATION

APPEARANCE	: Viscous Liquid	
VISCOSITY	: approx. 4920 \pm 10%	(RVDV-E, RV6, 100rpm, 3 min, 25°C)
pH	: approx. 6.34 \pm 0.5	(25°C)

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