



# Reference Formula

Sample preparation date: 2021/03/12

## Siltouch防曬乳(5800-TX 30%粉漿)SPF66.72\*\*\*

W210312-1

### FORMULA

Phase	Ingredient (Trade Name)	Ingredient (INCI Name)	% By Weight	Function
O1	<b>ACULYN™ Siltouch Rheology Modifier<sup>1</sup></b>	<b>Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) Dimethicone (and) Trideceth-6 (and) PEG/PPG -18/18 Dimethicone</b>	<b>3.00%</b>	O/W Emulsifier
	<b>Parsol SLX<sup>2</sup></b>	<b>Polysilicone-15</b>	<b>2.00%</b>	UV Filter
O2	<b>ERCAREL AB<sup>14</sup></b>	<b>C12-C15 Alkyl Benzoate</b>	<b>2.00%</b>	Emollient
	<b>HallBrite®BHB<sup>3</sup></b>	<b>Butyloctyl Salicylate</b>	<b>5.00%</b>	Emollient/ SPF Booster
	<b>PARSOL® Shield<sup>2</sup></b>	<b>Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine</b>	<b>2.00%</b>	UV Filter
	<b>2502 Cosmetic Fluid<sup>1</sup></b> <b>ERCAMULS LF 65 V/FD<sup>14</sup></b>	<b>Cetyl Dimethicone</b> <b>Glyceryl Stearate PEG-100 Stearate</b>	<b>3.00%</b> <b>2.00%</b>	Emollient Co-Emulsifier
W	D.I Water	D.I Water	Up to 100%	
	<b>Parsol HS<sup>2</sup></b>	<b>Phenylbenzimidazole Sulfonic Acid</b>	<b>2.00%</b>	UV Filter
TEA		Triethanolamine	q.s	Neutralizer
	<b>PARSOL® Max<sup>2</sup></b>	<b>Methylene Bis-Benzotriazolyl Tetramethylbutylphenol</b>	<b>2.00%</b>	UV Filter
A	<b>ES-5800 FORMULATION AID<sup>1</sup></b>	<b>Carbodecyl Dimethicone</b>	0.50%	Dispersant
	<b>Parsol TX<sup>2</sup></b>	<b>Titanium Dioxide, Silica, Dimethicone</b>	6.00%	UV Filter
	Butylene Glycol	1,3 Butylene Glycol	5.00%	Solvent
	D.I Water	D.I Water	8.5%	
	AMP 95	Aminomethyl propanol	0.28%	Neutralizer
B	<b>3901 Liquid Satin Blend<sup>1</sup></b>	<b>Dimethicone (and) Dimethicone/ Vinyl Dimethicone Crosspolymer</b>	2.40%	Skin feel modifiers
	Preservative	Preservative	q.s	Preservative
	<b>Eclat<sup>16</sup></b>	<b>Perfume</b>	<b>0.10%</b>	Perfume

Supplier: 1. Dow Chemical; 2.DSM; 3. Hallstar; 14. ErcaWilmar; 16. Lothar Streeck

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

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## PROCEDURE

1. Prepare Phase W and Phase O2 separately.
2. Heat Phase O2 to 70~80°C then add Phase O1 under stirring.
3. Heat Phase W to 60°C then add into the main tank under stirring.
4. Homogenize Phase A (5800-TX 30% Slurry) until mixing well.
5. Finally add Phase A (5800-TX 30% Slurry) into the main tank, and add Phase B in order.

5800_Slurry	Weight
TX	30
BG	25
5800	2.5
DW	42.5
AMP	1.4

## SPECIFICATION

APPEARANCE	: Cream	
pH	: approx. 7.62 ± 0.5	(25°C)
VISCOSITY	: approx. 5,590 ± 10%	(RVDV-E, RV-5, 30 rpm, 3 min, 25°C)

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