



Reference Formula

Created Date : 7/13/2022 3:26 PM
Last Save Date : 7/13/2022 3:26 PM

清爽控油防曬霜SPF50+*** (With Touch 210 1%)

EP-SC-COW-0073B_V1

FORMULA

Phase	Ingredient (Trade Name)	Ingredient (INCI Name)	% By Weight	
A	Amphisol K (DSM)	Potassium Cetyl Phosphate	3.00%	
	Olivem VS Feel	Cetearyl Alcohol, Cetyl Palmitate, Sorbitan Palmitate, Sorbitan Oleate	3.00%	
	FATTY ALCOHOL 1618-01 (Erca Wilmar)	Cetyl Stearyl Alcohol	1.50%	
	ERCAREL AB (Erca Wilmar)	C12-C15 Alkyl Benzoate	4.00%	
	Parsol 1789 (DSM)	Butyl Methoxydibenzoylmethane	3.00%	
	Parsol 340 (DSM)	Octocrylene	8.00%	
	Parsol 5000 (DSM)	4-Methylbenzylidene Camphor	2.00%	
	2503 Cosmetic Wax (Dow Corning)	Stearyl Dimethicone	1.50%	
	PMX-0245 Cyclopentasiloxane (Xiameter)	Cyclopentasiloxane	2.00%	
	PMX-200 Silicone Fluid 100 cSt (Xiameter)	Dimethicone	1.00%	
	P.P	Propylparaben	0.10%	
	B	Innospec: Sunsolv™ BOS	Butyloctyl Salicylate	5.00%
		Parsol TX (DSM)	Titanium Dioxide, Silica, Dimethicone	5.00%
Parsol EHS (DSM)		Ethylhexyl Salicylate	5.00%	
C	D.I Water	D.I Water	49.25%	
	EDTA-2Na	Edetate Disodium	0.05%	
	LS Diol (Leasun)	Methyl Propanediol	5.00%	
	Xanthan Gum	Xanthan Gum	0.30%	
	M.P	Methylparaben	0.20%	
D	Valvance™ Touch 210 (DSM)	Silica	1.00%	
	Green Spirit (Lothar Streeck)	Perfume	0.10%	

PROCEDURE

1. Prepare Phase A and Phase C separately and heat to 75-80°C till all the ingredients melt.
2. Disperse Phase B to Phase A and heat to 75-80°C.
3. Add Phase C to Phase A+B under homogenizing.
4. Add Phase D while the temperature below to 40°C.

SPECIFICATION

APPEARANCE	: White Cream	
VISCOSITY	: approx. 26,520 ± 1,000 CP	(RVDV-E, T-C, 12 rpm, 3 min, 25°C)
pH	: approx. 5.66 ± 0.5	(25°C)

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

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