



Reference Formula

Sample preparation date: 2025/03/24

Tripuro 極效防曬乳(SPF50+★★★★)

EP-SC-LOW-0081A_V1

Description:

Applying DSM Tripuro technology, the combination of **PARSOL 1789**, **PARSOL EHT**, and **PARSOL SHIELD**, it can easily achieve high SPF values and provide a new sun protection solution for oily acne-prone skin. Also, **PARSOL MAX** is fused in the water phase together to create full protection even for blue light damage. With the action of **Amphisol K**, it provides film-forming and waterproof effects, and the addition of **DL-alpha-Tocopheryl acetate** to resist external oxidative stress and avoid ultraviolet damage.

FORMULA

Phase	Ingredient (Trade Name)	Ingredient (INCI Name)	% By Weight	Function	
W1	Water	Water	Up to 100	Solvent	
	Disodium EDTA	Disodium EDTA	0.05	Chelator	
	Cellulose™ PCG-10¹	Hydroxyethyl Cellulose	0.30	Thickener	
O1	AMPHISOL® K²	Potassium Cetyl Phosphate	3.00	Emulsifier	
	EMULPHARMA K10 RSPO MB²⁵	Sorbitan Olivatate, Cetearyl Glucoside, Cetearyl Alcohol	1.00	Co-Emulsifier	
	CETYL-STEARYL ALCOHOL (FAL1618) (30/70)¹⁴	Cetearyl Alcohol	1.50	Co-Emulsifier	
	PARSOL® 1789²	Butyl Methoxydibenzoylmethane	4.50	UV filter	
	PARSOL® EHT²	Ethylhexyl Triazone	3.30	UV filter	
	PARSOL® Shield²	Bis-Ethylhexyloxyphenyl Methoxyphenyl Triazine	3.50	UV filter	
	ERCAREL AB¹⁴	C12-15 alkyl benzoate	14.00	Solvent	
	dl-a-Tocopheryl Acetate²	Tocopheryl Acetate	0.15	Active	
	O2	DOWSIL™ FB-9586 LC Elastomer Blend¹	Dimethicone, Dimethicone Crosspolymer	1.00	Skin modifier
		DOWSIL™ FZ-3196 Fluid¹	Caprylyl methicone	1.50	Solvent
W2	Water	Water	2.00	Water	

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

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	PARSOL® Max²	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol, Aqua, Decyl Glucoside, Propylene Glycol, Xanthan Gum	2.00	UV filter
A	UCON™ 75-H-450¹	PEG/PPG-17/6 Copolymer	0.50	Emollient
B	Sharomix™ EG10²⁵	Ethylhexylglycerin, Phenoxyethanol	0.80	Preservative

Supplier: 1.DOW Chemical; 2.DSM; 14.ErcaWilmar; 25.Sharon

PROCEDURE

1. Prepare W1 and O1 separately under 90°C and then homogenize together.
2. The white cream will be formed and then pour O2 into the main tank under 40°C.
3. Add phase W2 to the main tank and mix it well.
4. Finally add phases A and B separately and mix them well.

SPECIFICATION

APPEARANCE	: Pale yellow cream		
VISCOSITY	: approx. 4980 ± 10%	(RVDV-E, RV4, 20 rpm, 3 min, 25°C)	
pH	: approx. 6.25 ± 0.5	(25°C)	



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