



Reference Formula

Sample preparation date: 2025/03/24

乖乖曬(SPF50+ ★★★)

EP-SC-LOW-0082A_V1

Description:

Using **PARSOL DHHB**, **PARSOL EHT**, and **PARSOL SHIELD** to create a new version of the ocean-friendly sun protection concept, **PARSOL SLX** can improve in vivo sun protection and increase smoothness. Specially selected mild emulsifiers: **AMPHISOL® K**, **EMULPHARMA HP RSPO MB**, suitable for babies.

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	
	Cellosize™ PCG-10¹	Hydroxyethyl Cellulose	0.30	Thickener	
O1	AMPHISOL® K²	Potassium Cetyl Phosphate	1.50	Co-Emulsifier	
	EMULPHARMA HP RSPO MB²⁵	Glyceryl Stearate (and) Cetearyl Alcohol (and) Stearic Acid (and) Sodium Lauroyl Glutamate	5.00	Emulsifier	
	ERCAREL AB¹⁴	C12-15 alkyl benzoate	14.00	Solvent	
	WILFAESTER MCT¹⁴	Caprylic/Capric Triglyceride	2.00	Solvent	
	PARSOL® DHHB²	Diethylamino hydroxybenzoyl hexyl benzoate	3.50	UV filter	
	PARSOL® EHT²	Ethylhexyl Triazone	4.50	UV filter	
	PARSOL® Shield²	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	3.00	UV filter	
	PARSOL® SLX²	Polysilicone-15	1.00	UV filter	
	O2	XIAMETER™ PMX-200	Dimethicone	1.50	Skin modifier
		Silicone Fluid, 2 cSt¹			
DOWSIL™ EL-9240		Dimethicone (and) Silicone Elastomer Blend¹	1.00	Skin modifier	
W2	Water	Water	2.00	Water	

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

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	PARSOL® Max 2	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol, Aqua, Decyl Glucoside, Propylene Glycol, Xanthan Gum	2.00	UV filter
A	Sharomix™ EG10 25	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 phase A separately and mix them well.

SPECIFICATION

APPEARANCE	: Pale yellow cream		
VISCOSITY	: approx. 22,670 ± 10%	(RVDV-E, RV4, 6 rpm, 3 min, 25°C)	
pH	: approx. 6.55 ± 0.5	(25°C)	



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