

In-Vitro SPF Test Value: 80

**Pure Physical High SPF Sunscreen (AL24051501)**
**OLP-6300 8% + OLP-3100 10% + OLI-2902 0.2% + Cellpolypid®-PMB 8100E 2%**

Phase	Trade Name	INCI Name	Supplier	Dosage (%)
A	KF 6017	PEG-10 DIMETHICONE		1.80
	GI 34	POLYGLYCERYL-4 ISOSTEARATE		0.70
	KSG-210	DIMETHICONE/PEG-10/15 CROSSPOLYMER/DIMETHICONE		1.50
	R972	SILICA DIMETHYL SILYLATE		0.20
	BENTON GEL VS-5 PCVHV	CYCLOPENTASILOXANE /DISTEARDIMONIUM HECTORITE/PROPYLENE CARBONATE		1.50
	TN	C12-15 ALKYL BENZOATE		3.50
	PMX 0245	CYCLOPENTASILOXANE		15.50
	LANOL 99	ISONONYL ISONONANOATE		6.00
	KSP-101	VINYL DIMETHICONE/METHICONE SILSESQUIOXANE CROSSPOLYMER		1.00
	OLP-6300	TITANIUM DIOXIDE / POLYQUATERNIUM-51 / STEARIC ACID / ALUMINUM HYDROXIDE	OLI	8.00
OLP-3100	ZINC OXIDE & POLYQUATERNIUM-61 & TRIETHOXYCAPRYLYLSILANE	OLI	10.00	
	WATER	WATER		Add to100
B	GLYCERIN	GLYCERIN		3.50
	1,3-BUTYLENE GLYCOL-P	BUTYLENE GLYCOL		3.00
	OLI-2902	DIPOTASSIUM GLYCYRRHIZINATE	OLI	0.20
	Cellpolypid®-PMB 8100E	WATER & POLYQUATERNIUM-51 & 1,2- HEXANEDIOL	OLI	0.20
C	ALCOHOL	ALCOHOL		3.50
	Phenoxyethanol	PHENOXYETHANOL		0.50

**Process:**

- 1 Add **phase A** raw materials to the main pot, turn on stirring and disperse evenly, heat to the target 85 ° C, and keep warm;
- 2 Add **phase B** raw materials to the clean container, turn on stirring and heating, target 85 ° C, stir until completely dissolved;
- 3 The main pot turns on the vacuum and low-speed homogenization, slowly draws in the raw materials of **phase B**, and after all **phase B** is added to the main pot, the high-speed homogenization is turned on, and the temperature is cooled after emulsification for 7 minutes;
- 4 At about 40 ° C, add **phase C** raw materials and homogenize at low speed for 3 minutes;

**Note: The formula is for reference only, any concern regarding the formula stability & patent, test and/or varification maybe needed by your organization.**