



SUN#DAILY#SPF30 — CPF 4301 Oil-in-Water Sun Cream

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Oil-in-Water Sun Cream

Phase	Trade name / Supplier	INCI name	Wt %	
Α	Water	Water / Aqua	60.75	
	SunSpheres™ BIO SPF Booster / Dow	Microcrystalline Cellulose	1.50	
	EcoSmooth™ Universal Fluid 75-H-450 / Dow	PEG/PPG-17/6 Crosspolymer	0.50	
	Butylene Glycol	Butylene Glycol	2.00	
	VERSENE™ NA Crystals Chelating Agent / Dow	Disodium EDTA	0.10	
	SymSave H / Symrise	Hydroxyacetophenone	0.50	
	ACULYN™ 38 Rheology Modifier / Dow	Acrylates / Vinyl Neodecanoate Crosspolymer	3.00	
В	Procol CS20D / Making Cosmetics	Cetearyl Alcohol (and) Ceteareth-20	1.75	
	Arlacel 165 / Spectrum	Glyceryl Stearate (and) PEG-100 Stearate	2.00	
	CCT / Spectrum	Caprylic/Capric Triglyceride	5.00	
	C12-15 Alkyl Benzoate / Making Cosmetics	C12-15 Alkyl Benzoate	5.00	
	Parsol HMS / DSM	Homosalate	5.00	
	Parsol EHS / DSM	Octisalate / Ethylhexyl Salicylate	5.00	
	Parsol 1789 / DSM	Avobenzone / Butyl Methoxydibenzoylmethane	3.00	
	Parsol 340 / DSM	Octocrylene	4.00	
С	TEA, 99% / Dow	Triethanolamine	0.40	
D	Neolone PH 100 Preservative / DuPont	Phenoxyethanol	0.50	

Disclaimer: Contained in this package is a sample prepared as per the formulation described on this card. Any variation in the formulation/procedure may cause performance to change

Processing instructions:

- Add SunSoheres™ BIO SPE Booster to water and mix until dienereed/no clumns (-30 minutes). Then start heating to 70-75°C and continue mixing. Add Symeau H. Butylene Glycol, EcoSmooth™ Universal Fluid 75-H-450, VERSENE™ NA. Crystals Chelating Agent, followed by ACLILYN™ 38 Rheology Modifier Continue mixing and heating to 70-75°C.
- 2. Mix sunscreen ingredients of phase R. together and start heating to 70-75°C. Continue mixing/heating until Avohenzone dissolves, then add remainder of phase B ingredients, Mix at 70-75°C until all ingredients are melted/dissolved.
- With phase B @ 70°C add to phase A
- (70-75°C) and mix well for 5 min.
- Homogenize at 10.000 rpm for 3 min. After 2 min, add half of phase C (TEA) and continue to homogenize.
- 5. Switch back to standard mixing and add the other half of phase C. When hatch reaches 45°C, add phase D and continue mixing until batch reaches 25°C. Adjust pH to 6.0-7.0 with phase
- C if necessary Appearance: White cream

Viscosity: 60.000-80.000 cPs nH:60-70

In vivo SPF 37

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