

## Model Recipe

# Moisturizing Sun Care Lotion approx. SPF 16

Recipe Number: SC-DE/04/124/02

Phase	Component	INCI	%	Function
I.	EMULGADE <sup>®</sup> PL 68/50	Cetearyl Glucoside (and) Cetearyl Alcohol	1.0	O/W cream base SE
		Potassium Cetyl Phosphate	1.0	Emulsifier
	CUTINA <sup>®</sup> PES	Pentaerythrityl Distearate	1.0	Consistency giving factor
	MYRITOL <sup>®</sup> 331	Cocoglycerides	10.0	Emollient
	CETIOL <sup>®</sup> CC	Dicaprylyl Carbonate	6.0	Emollient
	COSMEDIA <sup>®</sup> SP	Sodium Polyacrylate	0.3	Thickener
	COPHEROL <sup>®</sup> F 1300 C	Tocopherol	1.0	Active ingredient
		Butyl Methoxydibenzoylmethane	2.0	UV-A filter
		Ethylhexyl Methoxycinnamate	7.5	UV-B filter
	II.	Glycerin	Glycerin	5.0
Water, de-ionized		Aqua	65.2	
Preservative			q.s.	Preservative
Viscosity (mPas) Brookfield, RVF, 23°C, spindle 5,10 rpm		10.400		
pH-value		6.6		

### Preparations in the laboratory

Heat phase I to 80°C. Heat phase II to 80°C and add to phase I while stirring. Allow the emulsion to cool while stirring in such a way that it remains in continual motion. Avoid incorporation of air. If necessary homogenize with a suitable dispersion unit (e.g. Ultra Turax) approx.55°C. Stir while cooling to 40°C and add phase III (if available). Stop stirring at 30°C.

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