

# Broad Spectrum Sun Lotion SPF 30

With PARSOL® 1789 and PARSOL® 340

Water resistant (40 minutes)  
 Fulfills new FDA rule on testing

Phase	Ingredients	INCI Name	% w / w	Supplier
A	PARSOL® 1789	BUTYL METHOXYDIBENZOYL METHANE (AVOBENZONE; USAN)	3.00	100288
	PARSOL® 340	OCTOCRYLENE (OCTOCRILENE; USAN)	2.70	100288
	PARSOL® HMS	HOMOSALATE (HOMOSALATE; USAN)	15.00	100288
	PARSOL® EHS	ETHYLHEXYL SALICYLATE (OCTISALATE; USAN)	5.00	100288
	AMPHISOL® K	POTASSIUM CETYL PHOSPHATE	2.00	100288
	dl-alpha-Tocopheryl Acetate	TOCOPHERYL ACETATE	0.50	100288
	Lanette O	CETEARYL ALCOHOL	2.00	100037
	Preservative		q.s.	
B	Keltrol CG-T	XANTHAN GUM	0.20	100400
	Glycerin, 99.5%	GLYCERIN	3.00	
	Carbopol Ultrez 10	CARBOMER	0.15	100435
	Edeta BD	DISODIUM EDTA	0.10	100037
	WATER DEM	AQUA	ad 100	
C	Triethanolamine Care	TRIETHANOLAMINE	q.s.	100037
	dl-alpha-Tocopherol	TOCOPHEROL	0.10	100288
	Navance Tapioca	TAPIOCA STARCH	1.50	100013
	Silcare Silicone 41M15	CAPRYLYL METHICONE	2.00	100394

SU-E-100363-036

## Procedure

- Heat part A to 85°C while stirring.
- Heat part B to 80°C and add to part A while stirring and homogenizing the emulsion.
- Cool down the emulsion to 40°C and add part C.

## Technical Data

pH:	6.0-6.5	Viscosity (Brookfield RV4/10rpm):	10 980 cps
SPF in vivo: (According to FDA SPF Test Method)	30.3	In vitro UVAPF (Colipa 2011):	>10.0
		UVAPF/SPF (30 labeled); ≥0.33:	> 0.33
		Critical Wavelength: (Measurement done with MUT Helios equipment)	> 370 nm

## Supplier

100288 DSM NUTRITIONAL PRODUCTS	100013 AKZO NOBEL
100394 CLARIANT	100400 CP KELCO
100037 BASF GMBH	
100435 LUBRIZOL	

## Global regulatory compliance in US for UV filters in formulation

This information is for illustration purposes only and based upon our current knowledge and experience at the time of printing. We do not make any representation or warranty of any kind, express or implied, including merchantability or fitness for a particular use, with respect to such information or its application. Use of this information is at your discretion and risk. Nothing herein relieves you from carrying out your own suitability determinations and tests. You are responsible for observing all laws and regulations relevant to your products, uses or processes. We do not assume any liability in connection with your product and its use. The foregoing information and suggestions are also provided without warranty of non-infringement as to the intellectual property rights of third parties, and shall not be construed as any inducement to infringe the rights of third parties.

DSM Nutritional Products, Personal Care, P.O.Box 2676, CH-4002 Basel, Switzerland