



Natural sunscreen SPF 30*

with CITROFOL® AI Extra

Phase	Ingredients	INCI	Supplier	Quantity
A	Water demin.	Aqua		Qs to 100 %
	Glycerine	Glycerine		3.00 %
	Sodium Gluconate	Sodium Gluconate	Jungbunzlauer	0.20 %
	Xanthan Gum FNCSP-PC	Xanthan Gum	Jungbunzlauer	0.40 %
B	Z-Cote®	Zinc Oxide	BASF	13.10 %
C	Emulium® Delta MB	Cetyl Alcohol (and) Glyceryl Stearate (and) PEG-75 Stea- rate (and) Ceteth-20 (and) Steareth-20	Gattefossé	4.00 %
	CITROFOL® AI Extra	Triethyl Citrate	Jungbunzlauer	20.00 %
D	Eusolex® T-S	Titanium Dioxide (and) Alumina (and) Stearic Acid	Merck	9.00 %
E	Preservative			Qs

Directions

- 1 Dissolve ingredients from phase A and preheat to 80 °C (176 °F)
- 2 Add phase B into A and thoroughly disperse with homogeniser
- 3 Heat phase C to 80 °C (176 °F)
- 4 Add phase D into C and thoroughly disperse with homogeniser
- 5 Add CD to AB whilst stirring, homogenise for 2 min
- 6 Cool down to room temperature whilst stirring
- 7 Add preservative and adjust pH to 7 using citric acid (LIQUINAT®)

Technical Data

Appearance: white cream

pH: 7.0 - 7.2

Viscosity Brookfield: (Sp. 64 / 3 RPM): 150 000 mPas

Stability

Stable for at least 3 months at RT, 1 °C (34 °F) and 40 °C (104 °F)



* calculated with BASF Sunscreen Simulator

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The information contained herein is meant to demonstrate how our products can be used. This formulation has been subjected to limited stability tests and has been shown to perform well. The given data are suggestions without any guarantee aimed to support customers' development.