

39_E470_0102

After Sun Lotion sensitive, O/W

Claims:

Good spreadability
Perfume free
Moisturizing
Radical Scavenger
Anti-irritating
Antiphlogistic
Smoothing

Phase	Ingredient (our mat. no. in brackets)	INCI	Supplier	Dosage [%]
A	Deionised Water	Aqua	/	75,90
	Aloe Vera freeze dried gel powder 200:1 (7100)	Aloe Barbadosensis Leaf Juice Powder	Selco	0,05
	RonaCare [®] Allantoin	Allantoin	Merck	0,20
	Dipotassium Glycyrrhizinate (7196)	Dipotassium Glycyrrhizate	Selco	0,20
B	Pomegranate Seed Oil (CO ₂)	Punica Granatum Seed Oil	Flavex Naturextrakte GmbH	0,35
	Tegosoft [®] CT	Caprylic/Capric Triglyceride	Evonik	5,50
	Tego [®] Carbomer 341 ER	Acrylates/ C10-30 Alkyl Acrylate Crosspolymer	Evonik	0,60
C	Sodium Hydroxide solution (10% in water)	Sodium Hydroxide	Merck	0,60
D	D-Panthenol USP	Panthenol	BASF	0,50
	Glycerin 99,8% DAB	Glycerin	Gustav Heess	8,00
	Omega-CH-Activator F (3003)	Aqua, Panthenol, Glycerin, Glycine, Sorbitol, Hydrolyzed Soy Protein, Bis(Tripeptide-1) Copper Acetate	GfN	2,00
E	Ethanol abs. denat.	Alcohol Denat.	Hema	5,00
	Dermofeel [®] E 74 A, non-GMO	Tocopheryl Acetate, Helianthus Annuus (Sunflower) Seed Oil	Evonik/ Dr.Straelmans	0,10
	alpha-Bisabolol organic (A) (7290)	Bisabolol	Selco	0,50
	Sensiva [®] SC 10	Caprylyl Glycol, Ethylhexylglycerin	Schülke & Mayr GmbH	0,50
				100,00

Production Process:

- Phase A: add Aloe Vera freeze dried gel powder, Allantoin and Dipotassium Glycyrrhizinate to water under stirring until you get a clear solution (paddle mixer).
- Premix phase B: disperse the carbomer into the Tegosoft CT and Pomegranate seed oil and add phase B to phase A under stirring (~ 20 minutes).
- Add phase C to phase A/B and homogenize for 1 - 2 minutes with an ULTRA-TURRAX[®] (15.000 rpm).
- Add phase D to phase A/B/C under stirring (~ 10 minutes).
- Add phase E to phase A/B/C/D and homogenize for 1 - 2 minutes with an ULTRA-TURRAX[®] (15.000 rpm) and stir slowly the emulsion until you get a smooth texture.
- Adjust pH 5.0 - 5,5 with citric acid or sodium hydroxide if necessary. Cool down to room temperature under stirring (paddle-mixer).

Specification Values:

Appearance: white, brilliant emulsion
pH-value: 5,0 - 5,5
Viscosity: ~ 6.000 mPas, spindle R6, 20 rpm, 20°C
Centrifugation: (4.000 rpm, 15 minutes) no separation
Stability: 5 months stable at RT, 5°C, 40°C
Microbiology: proven

Disclaimer:

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