



Frame formula

Formula **Microbiotic Hand Cream**

Formula No. **22-25-2-1RCA**

Phase	Ingredient (Supplier)	INCI / Chemistry	Amount [%]	Function
1				
	Wasser, demin (Cosmacon GmbH)	Aqua	64.050000	Moisturiser
	SymReboot L19 (Th. Geyer_Symrise)	Maltodextrin, Lactobacillus Ferment	1.000000	Active - Skin Microbiome
	Betaine (Evonik)	Betaine	3.000000	Moisturiser
	TEGO enlight (Surfachem Deutschland GmbH)	Aqua, Sodium Phytate, Glycerin, Alcohol, Morus Alba Fruit Extract	2.000000	Active - Whitening
	Allantoin VMP 102270 (VMP)	Allantoin	0.500000	Active
2				
	Cosactive MF0506 (Cosactive GmbH)	Pentylene Glycol, 1,2-Hexanediol	4.000000	Preservative
	Cosactive Hyaluron Gel 4 (Cosactive GmbH)	Aqua, Pentylene Glycol, Sodium Hyaluronate, Sodium Acetylated Hyaluronate, Sodium Hyaluronate Crosspolymer, Hydrolyzed Sodium Hyaluronate, Magnolia Officinalis Bark Extract, Paeonia Lactiflora Root Extract	1.000000	Active - Moisturizer
	Genuvisco CG-131 (Rahn GmbH)	Carrageenan	0.300000	Thickner
	Xanthan FN (Several)	Xanthan Gum	0.300000	Thickner
3				
	Prolix RB (Several)	Polyglyceryl-3 Rice Branate	5.000000	Emulsifier O/W
	Cupuacu Butter virgin (Several)	Theobroma Grandiflorum Seed Butter	3.000000	Natural Wax
	Dermosoft Decalact Sebum MB (Evonik Dr. Straetmans)	Sodium Capryol/Lauroyl Lactylate, Polyglyceryl-10 Laurate, Glycerin, Juniperus Communis Fruit Extract, Serenoa Serrulata Fruit Extract	2.500000	Active - Sebum Control
	Cosactive Skin Barrier Cream ECO (Cosactive GmbH)	Aqua, Caprylic/Capric Triglyceride, Hydrogenated Phosphatidylcholine, Butyrospermum Parkii (Shea) Butter, Pentylene Glycol, Glycerin, Squalane, Ceramide NP	3.000000	Skin Barrier Protection
	Cosactive Toco Power (Cosactive GmbH)	Tocopherol, Helianthus Annuus (Sunflower) Seed Oil, Tocopheryl Linoleate/Oleate	0.350000	Antioxidant
	Kahai Oil (Several)	Caryodendron Orinocense Seed Oil	10.000000	Natural Oil
Total amount [%]			100.000000	

Evaluations

Viscosity [mPa s]: 49000

pH-value [-]: 5.4400

40°C/10°C (6d): Discoloration > No; Sediment > No; Stability > o.k.

6°C (30d): Stability > o.k.; Turbidity > No; Discoloration > No; Crystals > No

40°C (90d): Discoloration > No; Stability > o.k.

Preparation in the laboratory

Heat the oil and water phases to 80°C.

Add the oil phase to the water phase while the homogeniser is running at 10,000 rpm.

Then add the thickener phase and homogenise for 2 minutes at 20,000 rpm.

Stir cold at 300 rpm.

At 30°C, add the extra phase and homogenise again for 1 minute at 20,000 rpm.