

BIONOMIC HAND PROTECTION



Natural & Sustainable

Innovation in a tiny detail

Description: Bionomic Hand Protection
Marketing: Intensified protection against freezing wind, snow
24h moisturizing
Intensified moisturizing
Restores the skin challenged by weather

Code: WHP-190103-D / Project: G587 / Date: 01/29/2019

Phase	Product Name	INCI	Function	%
A	Water	Aqua	Solvent	QS
	Sodium Benzoate	Sodium Benzoate	Preservative	QS
	Potassium Sorbate	Potassium Sorbate	Preservative	QS
	Cosphaderm LA-T⁽¹⁾	Levulinic Acid, Glycerin, Aqua, Sodium Levulinate	Preservative	QS
	Glycerine	Glycerin	Humectant	2.5
	Magnesium Sulfate Hepta Hydrate	Magnesium Sulfate	Stabilizer	0.7
	preBIULIN AGA⁽²⁾	Inulin	Prebiotics active	2
	Allantoin	Allantoin	Active	0.2
	Urea	Urea	Active	5
	NaOH	Sodium Hydroxide	pH adjuster	QS
B	NEOCARE P3R⁽²⁾	Polyglyceryl-3 Polyricinoleate, Polyglyceryl-3 Ricinoleate	Emulsifier	4
	Macadamia Nut Oil	Macadamia Integrifolia Seed Oil	Vegetable oil	5
	Saboderm CVC⁽³⁾	Coco-Caprylate/Caprate	Emollient	4
	Alpha-Bisabolol Natural	Bisabolol	Active	0.5
	Apricot Kernel Oil	Prunus Armeniaca Kernel Oil	Vegetable oil	1.5
	Squalane Vegetable	Squalane	Emollient	1.5
	BIODINE V⁽²⁾	Macadamia Integrifolia Seed Oil, Phospholipids, Glycine Soja Sterols, Stearic Acid, Glycerin, Safflower Oil/Palm Oil Aminopropanediol Esters, Squalane	Active	2
	Sabowax GMS⁽³⁾	Glyceryl Stearate	Stabilizer	1.5
C	Cosphaderm T-70 NON GMO ECO⁽¹⁾	Tocopherol, Helianthus Annuus Seed Oil	Antioxidant	0.2
D	Perfume	Parfum	Perfume	0.4
E	Silica Bead SB-300⁽⁴⁾	Silica	Filler	3

Suppliers: (1) Cosphatec, (2) Gobiotics BV, (3) Sabo, (4) Myoshi

Procedure:

Phase	Temperature	Procedures
A	70-75°C	Mix ingredients of A in given order. Adjust pH to 5,0-5,5 with NaOH 36%
B	70-75°C	Mix B
AB	70-75°C	Add very slowly A in to the B. Homogenize 5 min at 8 000 rpm
ABCDE	45-50°C	Cool down to 45-50°C. Add C,D and E
ABCDE	RT	Cool down to RT while mixing. When temperature 45°C is reached start to mix by hand slowly. Emulsion is sensitive. When temperature is around 30-35°C and emulsion is getting liquid homogenize extra 3 minutes at 8000 rpm (mixing in the same time). Condition to final packages

