

Starting point formulation – Hand and nail balm – luxurious hands

Luxurious balm that gently cares for your hands and strengthens your nails and keeps them in good condition. **PURABYK-R 5510** stabilizes the emulsion and gives a beautiful texture and an excellent skin feel.

Formulation

Phase	Tradename	INCI	Supplier	Function	Dosage (%)
A	Water	Aqua		Carrier	69.40
	PURABYK-R 5510	Bentonite, Xanthan Gum	BYK	Rheology Modifier	1.00
	Urea	Urea	Carl Roth	Moisturizer	1.50
	Glycerin 85 %	Glycerin, Aqua	Vwr	Moisturizer	3.00
B	Tego Care 450	Polyglyceryl-3 Methylglucose Distearate	Evonik	Emulsifier	3.00
	Tegin M Pellets	Glyceryl Stearate	Evonik	Co-Emulsifier	1.00
	Cetiol V	Decyl Oleate	BASF	Emollient	5.00
	Berga Care SB	Butyrospermum Parkii Butter	Berg & Schmidt	Emollient	2.00
	Tegosoft DEC	Diethylhexyl Carbonate	Evonik	Emollient	6.00
	Cutina CP	Cetyl Palmitate	BASF	Consistency providing agent	3.50
	Kahlwax 2811 Rice	Oryza Sativa Bran Cera	Kahl	Consistency providing agent	1.00
	D-Panthenol 75L	D-Panthenol	DSM	Active	1.00
C	Perfume Oil Peony & Lychee	Perfume	Voegele	Fragrance	0.15
	Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerine	Ashland	Preservative	1.00
D	Citric Acid, 10 % Solution	Aqua, Citric Acid	Hallstar	pH-Regulator	1.45
Total					100.00

PURABYK-R 5510 is an activated natural bentonite combined with Xanthan Gum that stabilizes and gives body to your formulation.

Instructions (manufacturing procedure)

- Add PURABYK-R 5510 to the water of phase A under stirring and continue stirring at 800 rpm for 15 min. Complete phase A with glycerin and urea.
- Weight in the ingredients of phase B in another beaker and heat phase A and B separately to 75 °C.
- Add phase B slowly to phase A while stirring.
- Homogenize for 2 min. at 8.600 rpm (ultra turrax).
- Cool down while stirring, then add all ingredients of Phase C one after the other below 40 °C.
- Adjust the final pH value to 5.0–5.5 with citric acid and fill into packaging.

Characteristic data

- Appearance: creamy white, high viscous
- Storage stability: 3 months at 40 °C



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