



- scalp care serum • stimulates hair growth • prevents hair loss • microbiome friendly • moisturising •
- scalp pH balance • sebum regulating • alcohol-free • leave-on •

PHASE	INGREDIENT	INCI	SUPPLIER	KEY BENEFIT	% ww
A1	Deionised Water	Aqua		solvent	60.10
A2	Genu pHresh DF	Pectin	CP Kelco	pH balance	0.30
	Keltrol® CG-SFT V	Xanthan Gum	CP Kelco	thickener	0.10
B1	Deionised Water	Aqua		solvent	20.00
	Esaflor® HDR	Hydroxypropyl Guar	Lamberti	thickener	0.20
B2	Citric acid (10% sol.)	Aqua, Citric Acid	various	pH adjuster	q.s.
C	Zemea®	Propanediol	Primient Covation	moisturiser	5.00
	dermosoft® Pentiol eco	Pentylene Glycol	Evonik Dr. Straetmans	antimicrobial multifunctional	3.00
	Verstatil® BL non GMO	Aqua, Sodium Levulinate, Sodium Benzoate	Evonik Dr. Straetmans	preservative	2.00
	dermofeel® PA-3	Sodium Phytate, Aqua, Alcohol	Evonik Dr. Straetmans	chelating agent	0.10
D	GENENCARE® OSMS BA	Betaine	IFF	moisturiser	3.00
	GENENCARE® XL	Xylitol	IFF	microbiota balance	2.00
E	PAM EXTRACT® Bio	Citrus Grandis Seed Extract, Glycerin, Citric Acid, Potassium Sorbate, Sodium Benzoate	Prod´Hyg	sebum regulator	2.00
F	Deionised Water	Aqua		solvent	2.00
	Skinhairgium® Bio	Lepidium Meyenii Root Extract, Maltodextrin	Laboratoires Expanscience	hair growth stimulator	0.20
G	Citric acid (10% sol.)	Aqua, Citric Acid	various	pH adjuster	q.s.
					100.00



PRODUCT FEATURES

Appearance: light yellow, slightly translucent gel
pH 20°C: 4,8-5,3
Viscosity: Myr Viscometer Type VP 1050, spindle No.5, speed 50 rpm: 600-800 mPas at RT
Stability: stable for more than 3 months at 5 °C, 20 °C and 40 °C

MANUFACTURING PROCEDURE

1. Prepare phase A: Add phase A2 to water under stirring. Homogenise shortly and heat up to 80-85 °C under stirring to hydrate the gums completely. Cool down to <60 °C.
2. Simultaneously prepare phase B: premix Esaflor® HDR in water (B1) until completely dissolved. Adjust the pH value to approx. pH 5 (B2). Disperse until a homogeneous gel is obtained.
3. Add phase B to phase A below 60 °C and mix until homogeneous.
4. Add ingredients of phase C one after the other and mix until completely dissolved. Continue to cool down to <50 °C.
5. Below 50 °C add ingredients of phase D. Mix until completely dissolved and let cool down to <35 °C.
6. Premix phase F.
7. Add part E and premix of phase F to the batch below 35 °C. Continue to cool down to room temperature.
8. If necessary adjust pH to 4,8-5,3 with phase G.

APPLICATION ADVICE

Apply directly on your scalp after hair wash and massage in evenly. Let dry briefly, brush and style as usual.

BIESTERFELD PRODUCTS

Genu pHresh DF		
Palm-free	Vegan	Cosmos-certified
99% natural origin		

Keltrol® CG-SFT V		
Palm-free	Vegan	Natue-certified
100% natural origin		

Esaflor® HDR		
Palm-free	Vegan	0% natural origin

Zemea®		
Palm-free	Vegan	100% natural origin

dermosoft® Pentiol eco		
Palm-free	Vegan	Cosmos-certified
Natue-certified	100% natural origin	

Verstatil® BL non GMO		
Palm-free	Cosmos-certified	Natue-certified
88% natural origin		



dermofeel® PA-3

Palm-free

Vegan

Cosmos-certified

Natrue-certified

100% natural origin

GENENCARE® OSMS BA

Palm-free

Vegan

Cosmos-certified

Natrue-certified

100% natural origin

GENENCARE® XL

Palm-free

Vegan

Cosmos-certified

Natrue-certified

100% natural origin

PAM EXTRACT® Bio

Palm-free

Vegan

Cosmos-certified

100% natural origin

Skinhairgium® Bio

Palm-free

Vegan

Cosmos-certified

Natrue-certified

100% natural origin