

**89\_E110\_0402**

**Effective Hair Stimulation Tonic, perfume free**

**Claims:**

Promotes hair bulb keratinocyte proliferation  
Promotes growth of hair  
Hair are denser by deep repairing  
Strengthening of hairs  
Protects from damage of free radicals

Phase	Ingredient (our mat. no. in brackets)	INCI	Supplier	Dosage [%]
A	Deionised Water	Aqua	/	79,478
	Glycerin DAB 99,5 %	Glycerin	Gustav Heess	8,00
	Sodiumgluconate	Sodium Gluconate	Jungbunzlauer	0,10
	Sodiumchloride	Sodiumchloride	Merck	0,38
	<b>Biotin USP (7253)</b>	<b>Biotin</b>	<b>Selco</b>	<b>0,01</b>
	Sodium PCA	Sodium PCA	A&E Connock	1,00
	Symbio®solv clear plus	Caprylyl/Capryl Glucoside, Aqua, Sodium Cocoyl Glutamate, Glyceryl Caprylate, Citric Acid, Polyglyceryl-6 Oleate, Sodium Surfactin	Evonik/ Dr. Straetmans	2,00
B	Dermosoft® OMP	Methylpropanediol, Caprylyl Glycol, Phenylpropanol	Evonik/ Dr. Straetmans	4,00
C	<b>Omega-CTP-Active PHE (2999)</b>	<b>Aqua, Glycerin, Arginine, Panthenol, Proline, Sorbitol, Glycine, Hydrolyzed Soy Protein, Bis(Tripeptide-1) Copper Acetate</b>	<b>GfN</b>	<b>5,00</b>
	<b>Peptilash® Length P (7303)</b>	<b>Myristoyl Hexapeptide-16</b>	<b>Selco</b>	<b>0,03</b>
	<b>Peptilash® Extend P (7296)</b>	<b>Biotinoyl Tripeptide-1</b>	<b>Selco</b>	<b>0,002</b>
				100,00

**Production Process:**

1. Phase A: Mix all ingredients and heat up to 50°C.
2. Phase B: Mix all ingredients.
3. Add phase A to phase B under stirring (~30 minutes, paddle-mixer).
4. Add phase C below 35°C under stirring, until you get a smooth texture.
5. Adjust pH ~6,5 with citric acid if necessary. Cool down to room temperature under stirring (paddle-mixer).

**Specification Values:**

Appearance: light opaque liquid  
pH-value: 5,5 - 6,5  
Centrifugation: (4.000 rpm, 15 min.) no separation  
Stability: 6 months stable at RT, 5°C, 40°C  
Microbiology: proven

**Disclaimer :**

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking suitability of our products for the envisaged purpose.