

# **Hyaluronic Acid Oligosaccharide**

## **Moisturing Formulation Examples**

- Humectant
- Skin conditioning
- Hair conditioning



## Hyaluronan Oligosaccharide Moisturizing Emulsion Lotion

FL-HA-oligo-00101

Ingredients	INCI	[wt.%]	Supplier
<b>A</b>			
1 Montanov® 202	Arachidyl glucoside	2.0	Seppic
2 Tego® Care 165	Glyceryl stearate (and) PEG-100 stearate	1.0	Evonik-Goldschmidt
3 Mulsifan GTCC	Caprylic/capric triglyceride	3.0	Zschimmer & Schwarz Italiana S.p.A
4 <b>Vitamin E</b>	<b>Tocopherol</b>	0.5	<b>M.C.Biotec</b>
5 Isooctyl palmitate	Ethylhexyl Palmitate	2.0	Croda
6 Cetiol® CC	Dicaprylyl Carbonate	2.0	Cognis
7 Lorol® C 18	Stearyl Alcohol	0.5	Cognis
8 Dow Corning® 345 Fluid	Cyclohexasiloxane	3.0	Dow Corning
<b>B</b>			
8 Water	Water (aqua)	71.1	
9 Glycerin	Glycerin	2.0	Merck
10 Butane-1,3-diol	Butylene Glycol	4.0	Kyowa Hakko Kogyo
11 <b>Allantoin</b>	<b>Allantoin</b>	0.5	<b>M.C.Biotec</b>
12 <b>Nicotinamide</b>	<b>Niacinamide</b>	1.0	<b>M.C.Biotec</b>
<b>C</b>			
13 Sepiplus 400	Polyacrylate-13 (and) polyisobutene (and) polysorbate 20	1.2	Seppic
<b>D</b>			
14 Water	Water (aqua)	5.0	
15 <b>HA-Oligo</b>	<b>Hydrolyzed hyaluronic acid</b>	0.3	<b>M.C.Biotec</b>
16 <b>Sodium hyaluronate (MW 1500 kDa)</b>	<b>Sodium hyaluronate</b>	0.1	<b>M.C.Biotec</b>
<b>E</b>			
17 Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerin	0.8	Schulke & Mayr
<b>Total</b>		<b>100.0</b>	

### **Procedure:**

1. Mix together phase A and heat to 70°C,
2. Mix together phase B and heat to 75°C

3. Add above "2" to "1" with stirring, homogenize. Immediately incorporate phase C after emulsification.
4. Cool above "3" to 40°C, then add phase D with stirring, followed by Phase E with stirring, stir to cool.

*M.C.Biotec hopes that the technical information and suggestions for use contained herein will be of interest to you, but they are not to be construed as warranties or inducements to infringe any particular patent.*

## Balmier Toner containing Hyaluronic Acid Oligosaccharide

FT-HA-oligo-00101

	<b>Ingredients</b>	<b>INCI</b>	<b>[wt.%]</b>	<b>Supplier</b>
1	Water		88.5	
2	Butane-1,3-diol	Butylene Glycol	4.0	Kyowa Hakko Kogyo
3	Glycerin	Glycerin	2.0	Merck
4	<b>HA-Oligo</b>	<b>Hydrolyzed hyaluronic acid</b>	0.5	<b>M.C.Biotec</b>
5	<b>Allantoin</b>	<b>Allantoin</b>	0.2	<b>M.C.Biotec</b>
6	<b>Glycin</b>	<b>Glycin</b>	1.0	<b>M.C.Biotec</b>
7	<b>Nicotinamide</b>	<b>Niacinamide</b>	1.0	<b>M.C.Biotec</b>
8	EDTA-2Na	Disodium EDTA	0.1	Merck
9	Lubrajel CG	Glyceryl polymethacrylate (and) propylene glycol	2.0	Guardian
10	Diocide	Caprylyl Glycol, Phenoxyethanol, Hexylene Glycol	0.7	Centerchem
	<b>Total</b>		<b>100.0</b>	

### **Procedure:**

Add ingredients to water in order with stirring.

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