



We create chemistry

## Technical Information

### Nutrilan® Keratin LM

PRD 30654108

Valid since 22.02.2018  
Revision 3.0  
WF-No. 15151  
Page 1 of 3

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**Care Chemicals**

### Protein Product

#### INCI name(s)

Hydrolyzed Keratin

#### Chemical description

Hydrolyzed Keratin

#### Physical form:

Yellow to brown liquid with characteristic inherent odor

CASR-No.	Ingredient
69430-36-0	Hydrolyzed Keratin
532-32-1	Sodium Benzoate

### Characteristic values

The specifications stated in the paragraphs 'Provisional quality control data' and 'Provisional additional product descriptive data' finally and conclusively describe the properties of the product.

#### Provisional quality control data

(Data which is used for quality release and is certified for each batch.)

Test property	Specification
Appearance at room temperature	Corresponds to the standard
Odor at room temperature	Corresponds to the standard
Dry residue	min. 20 %
Total Nitrogen	min. 2.0 %
Ash	max. 8.5 %
pH value	3.8 - 4.7

Specific methods used for batch release see Certificate of Analysis.



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## Storage information

### **Shelf life**

24 months

### **Storage temperature**

Between + 10 °C and + 40 °C

### **Storage conditions**

In original sealed containers and protected from moisture

### **Additional information**

Slight precipitation and darkening during storage possible.

## Stabilising additives / Auxiliaries

### **Preservatives**

Sodium benzoate

### **Antioxidants**

not present

### **Solvents**

not present

### **Others**

not present

## General information

### **Raw material basis**

Animal: (sheep wool)

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**Care Chemicals****Composition hints for finished product label****INCI Components**

<b>INCI Name (US/EU/CN)</b>	<b>Content</b>
Hydrolyzed Keratin	15 - 25 %

**Auxiliaries**

<b>INCI Name (US/EU/CN)</b>	<b>Content</b>
Sodium Benzoate	approx. 0.8 %

**Water Content**

<b>Content</b>
75 - 85 %

**Miscellaneous information****Example of use**

Nutrilan® Keratin LM consists of low molecular keratin peptides obtained through enzymatical hydrolysis of wool/hair protein, which are able to penetrate the hair shaft deeply. In particular, it is therefore suitable for hair care products, which require effective repair and restructuring benefits. Recommended application concentration: 2.5 - 10.0 % (0.5 - 2.0 % AS)

**Intended for use as cosmetic ingredient****Disclaimer**

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