

Technical Information

Nutrilan® Keratin W PP

PRD 30537919

Valid since	22.12.2020
Revision	3.0
WF-No.	26072
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Care Chemicals**Protein Product****INCI name(s)**

Hydrolyzed Keratin

Chemical description

Keratin protein hydrolysate

Physical form:

Amber to brown liquid with a characteristic inherent odor

69430-36-0	Hydrolyzed Keratin
122-99-6	Phenoxyethanol
24634-61-5	Potassium Sorbate

Characteristic values

The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the product.

Quality control data

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

Test property	Specification	Test method
Appearance at room temperature	Corresponds to the standard	Internal method AX-001001
Odor at room temperature	Corresponds to the standard	Internal method AX-001002
Nitrogen	3.2 - 3.9 %	ISO 16634
Dry substance (105 °C; 15h; 10g)	20.0 - 23.0 %	ISO 1625
Ash	0.1 - 2.0 %	ISO 6884
pH value (20 °C; as is)	5.0 - 5.8	DIN ISO 4316



We create chemistry

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Storage information

Shelf life

18 months

Storage temperature

Between + 10 °C and + 40 °C.

Store in a cool, dry place.

Storage conditions

In original sealed containers and protected from moisture

Additional information

On storage slight precipitation is normal, however increased temperature can result in a darkening of the product.

Stabilising additives / Auxiliaries

Preservatives

Phenoxyethanol and Potassium sorbate

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**

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

Auxiliaries

INCI Name (US/EU/CN)	Content
Phenoxyethanol	approx. 0.8 %
Potassium Sorbate	approx. 0.2 %

Water Content

Content
75 - 85 %

Miscellaneous information**Example of use**

Due to its composition, one can describe Nutrilan® Keratin W PP as a hair-identical protein hydrolysate. Compared to other proteins, the keratin has a high proportion of cystine. Nutrilan® Keratin W PP does not only show an affinity to hair; on skin it acts as a protective and care substance. Nutrilan® Keratin W PP has the best alcohol solubility out of all BASF protein hydrolysates; it is therefore also suitable for aqueous/alcoholic formulations.

Preservation note: Protein hydrolyzates/derivatives in general may cause incompatibilities with Kathon CG (INCI: Methylchloroisothiazolinone (and) Methylisothiazolinone) depending on concentration and pH.

Intended for use as cosmetic ingredient**Disclaimer**

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