



Technical Information

## Phytokeratin

### Protein Product / Vegetable Derived

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Revision 3.1

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#### INCI name(s)

Hydrolyzed Wheat Protein

#### Chemical description

Wheat protein hydrolysate

#### Physical form:

Light-colored powder with a slight inherent odor

#### CASR-No.

9015-54-7  
100684-25-1  
(70084-87-6)

#### Ingredient

Protein hydrolyzates

### 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	AX-001001
Odor at room temperature	Corresponds to the standard	AX-001002
Dry Substance (calculated 100 % - % water)	94.0 - 100.0 %	CP-002045
Water content	0.0 - 6.0 %	ISO 4317
pH value (20 °C; 10 % in water)	4.0 - 6.0	DIN ISO 4316
Nitrogen (based on dry substance)	13.5 - 15.8 %	CP-005023
Nitrogen (as is)	12.7 - 15.8 %	DIN ISO 16634
Ash content	0.1 - 3.0 %	ISO 6884

Ekokoza s.r.o.

Fryčovice 297, 73945, Fryčovice

IČ: 07508247, eshop@ekokoza.cz



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### Storage information

**Storage temperature**

max. + 20 °C

**Storage conditions**

In original sealed containers and protected from moisture

### Stabilising additives / Auxiliaries

**Preservatives**

not present

**Antioxidants**

not present

**Solvents**

not present

**Others**

not present

### General information

**Raw material basis**

**Vegetable origin**

Plant:	<b>Wheat</b>
Botanical name:	Triticum
Part of plant utilized:	Grain
Primary region or country of origin:	Mainly France, Germany, Litauen
Wild or cultivated plants:	Cultivated
Genetically modified (GM) Status:	Non-GM (confirmed by supplier)
PCR testing:	No
Pesticides:	No information, however status information is available for derivative product

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Fryčovice 297, 73945, Fryčovice  
IČ: 07508247, [eshop@ekokoza.cz](mailto:eshop@ekokoza.cz)



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## Phytokeratin

### Composition hints for finished product label

#### INCI Components

INCI Name (US/EU/CN)	Content
Hydrolyzed Wheat Protein	Complete *

\* Complete means conclusively describes the substance

### Naturalness according to definitions for ingredients of ISO 16128

Natural origin: 100%

## Product properties

#### Solubility

Ethylalcohol:	sparingly soluble
Paraffin oil:	practically insoluble
Water:	soluble

## Miscellaneous information

#### Example of use

Suitable as a care additive for the application in personal care products, e.g. mild surfactant preparations, skin and hair care products.

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**

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