



**PRODUCT DATA SHEET
No. 21**

Date of issue: January 01, 2018

Update on: October 25, 2018

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PRODUCT IDENTIFICATION

Product trade name:	LU – 1434
Chemical name:	Potato protein
No. of product quality specification sheet:	SJ.21
Number in the list of feed materials:	4.8.10
GMP+ code:	4.003
Country of origin:	Poland
Non-GMO declaration:	The product is not derived from or produced using genetically modified organisms
Allergen statement:	The product does not contain any allergenic ingredients

GENERAL CHARACTERISTIC

LU – 1434 is a product made from potato cell fluid by utilizing the process of thermal and acid coagulation, dehydration and drying. LU – 1434 is used as a component of farm animal feedstuffs. It is easily digestible and has a high protein content.

ORGANOLEPTIC PROPERTIES

<u>Name of property:</u>	<u>Requirements:</u>
Colour	<i>Grey</i>
Odour	<i>Typical of potato protein without foreign odours</i>

AMINO ACID COMPOSITION (AVERAGE)

Asparagine acid	11,05%
Threonine	4,89%
Serine	4,96%
Glutamic acid	10,59%
Proline	5,51%
Cystine	1,67%
Glycine	4,06%
alaninę	4,23%
Valine	5,38%
Methionine	2,33%
Isoleucine	4,62%
Leucine	8,33%
Tyrosine	7,37%
Phenylalanine	6,95%
Histidine	2,37%

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Production plant in Staw: 62 - 420 Strzałkowo; tel.: +48 63 2759102/03; +48 61 2879142; tel./fax: +48 61 6334962; e-mail: zpstaw@wppz.pl

Share capital: 8 268 566,13 PLN / Paid-in capital: PLN 8 268 566,13

Court of Registration: District Court for Poznań - Nowe Miasto and Wilda in Poznań, 8th Commercial Department of the National Court Register

KRS [National Court Register No.]: 0000053985

NIP [Tax Identification No.]: 777-00-03-067

REGON [Statistical Business No.]: 631515520

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Lysine	5,72%
Arginine	4,97%

PHYSICAL AND CHEMICAL PARAMETERS

<u>Name of property:</u>	<u>Requirements:</u>
Mechanical impurities:	<i>unacceptable</i>
Moisture content:	<i>max. 13%</i>
Total protein content:	<i>min. 78% in dry matter</i>
Ash content	<i>max. 4,5% in dry matter</i>
Dioxins:	<i>in accordance with applicable regulations</i>
Pesticides:	<i>in accordance with applicable regulations</i>

CONTENT OF ELEMENTS

<u>Name of property:</u>	<u>Requirements:</u>
Heavy metals content:	
- arsenic	<i>max. 2,0 mg/kg</i>
- lead	<i>max. 10,0 mg/kg</i>
- mercury	<i>max. 0,1 mg/kg</i>
- cadmium	<i>max. 1,0 mg/kg</i>
- fluorine	<i>max. 150,0 mg/kg</i>

MICROBIOLOGY

<u>Name of property:</u>	<u>Requirements:</u>
Total <i>Salmonella</i> spp. count:	<i>cfu/25g, Absent</i>
Total yeast and mould count:	<i>max. 10⁶ cfu/1g</i>

PACKAGING

Multilayer vented paper bags (25kg) or flexible big-bag containers (800 or 1000kg). Unit packaging must be approved for food contact.

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LABELLING

Each unit packaging of the product contains the following data:

- substance name and number;
- details of the manufacturer;
- lot number;
- date of manufacture;
- minimum shelf life;
- net weight;
- storage conditions;
- label – for use in foodstuffs.

STORAGE

Dry, clean and well-ventilated facilities without foreign odours, protected against rodents.

MINIMUM SHELF LIFE

Recommended storage time: no longer than 12 months in original packaging. It is advised however to keep the storage time short as possible because the moisture content may increase gradually.

TRANSPORT

Clean and dry means of transport ensuring appropriate protection of the product against damage and moisture. The product is not classified as hazardous within the meaning of transport regulations.

SAFETY AND HANDLING

LU – 1434 is a non-hazardous substance.

BENCHMARK STANDARDS

1. Quality specification No. 21;
2. Regulation (EC) No 767/2009 of the European Parliament and of the Council of 13 July 2009 on the placing on the market and use of feed, amending European Parliament and Council Regulation (EC) No 1831/2003 and repealing Council Directive 79/373/EEC, Commission Directive 80/511/EEC, Council Directives 82/471/EEC, 83/228/EEC, 93/74/EEC, 93/113/EC and 96/25/EC and Commission Decision 2004/217/EC (Official Journal of the European Union of 2009 No. L 229);
3. The Act of 22 October 2010 amending the act on feed and the act on the safety of food and nutrition (Journal of Laws of 2010 No. 203, item 1511);
4. Commission Regulation (EU) No. 68/2013 of 16 January 2013 regarding the catalog of feed materials.

All the information and data contained herein are based on our long-term experience and supported by scientific knowledge. However, this document is of informative nature only. Should you have any doubts we will be happy to provide you with detailed information and answer all your questions.

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