

	<b>PRODUCT DATA SHEET</b> <b>No. 01</b>	Date of issue:	January 01, 2018
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## PRODUCT IDENTIFICATION

Product trade name:	<b>LU – 1431 – 1</b>
Chemical name:	Potato starch Superior Standard
No. of product quality specification sheet:	SJ.01
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

Native potato starch is one of the natural ingredients of food. It is produced from potato tubers in the process of mechanical grinding, washing out and refining. Refined starch is dried with a stream of hot air to the maximum moisture content of 20%. Potato starch is widely used as an ingredient of and additive to foodstuffs, among others in meat and deli products, canned meat, vegetables and fish, breadstuff and flour products as a thickener for deserts, soups and sauces. It is also the main ingredient of pudding and fruit-flavoured starch-jelly.

## ORGANOLEPTIC PROPERTIES

<u>Name of property:</u>	<u>Requirements:</u>
Colour	White
Odour and taste	Typical of potato starch, without foreign odours and off-flavours

## PHYSICAL AND CHEMICAL PARAMETERS

<u>Name of property:</u>	<u>Requirements:</u>
Macroscopic impurities:	max. 50/dm <sup>2</sup> with acceptable tolerance level: up to 20%
Mechanical impurities:	unacceptable
Colour in the CIE system, L:	min. 93
Moisture content:	max. 20%
pH value:	6,5-8,5
SO <sub>2</sub> content:	< 10 mg/kg
Ash content:	max. 0,35% in dry matter
Content of mineral substances insoluble in a 10% solution of hydrochloric acid:	max. 0,06% in dry matter

## WIELKOPOLSKIE PRZEDSIĘBIORSTWO PRZEMYSŁU ZIEMNIACZANEGO S.A.

Registered seat: Luboń, address: ul. Armii Poznań 49; 62 - 030 Luboń; tel.: +48 61 8130581; fax: +48 61 8130232; email: wppz@wppz.pl; www.wppz.pl

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: 6 687 525,24 PLN / Paid-in capital: PLN 6 687 525,24

Court of Registration: District Court for Poznań - Nowe Miasto and Wilda in Poznań, 8<sup>th</sup> 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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## HEAVY METALS

<u>Name of property:</u>	<u>Requirements:</u>
Heavy metals content:	
- arsenic	max. 0,50 mg/kg
- lead	max. 0,50 mg/kg
- mercury	max. 0,03 mg/kg
- cadmium	max. 0,10 mg/kg

## MICROBIOLOGY

<u>Name of property:</u>	<u>Requirements:</u>
Total aerobic bacteria count:	max. 50.000 cfu/1g
Coliform bacteria count:	100 cfu/0,1g
Total <i>Salmonella</i> spp. count:	cfu/25g, Absent
Total <i>Staphylococcus aureus</i> count:	cfu/0,1g, Absent
Total <i>Bacillus cereus</i> count:	max. 10 cfu/1g
Total yeast and mould count:	max. 500 cfu/1g

## NUTRITIONAL VALUE

<b>Nutritional value per 100g of the product:</b>	
Energy value:	324kcal/1356kJ
Carbohydrates (starch):	80g
Protein:	0,2g
Fats (polysaturated fats):	0,1g

## 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;
- details of the manufacturer;
- lot number;
- date of manufacture;
- minimum shelf life;
- net weight;
- storage conditions
- label – for use in food.

### STORAGE

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

### MINIMUM SHELF LIFE

When stored in recommended conditions and in original packaging, LU – 1431 – 1 retains its properties for at least 5 years.

### 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.

### INTENDED USE

LU – 1431 – 1 is intended for use in the production of foodstuffs, with no restrictions as to its use (in the amount necessary to obtain the intended technological effect). The product is not intended for direct consumption.

### SAFETY AND HANDLING

LU – 1431 – 1 is a non-hazardous substance.

**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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