



**PRODUCT QUALITY
SPECIFICATION SHEET
No. 17**

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Product name:

LU – 1420

ORYGINAŁ

Non-GMO declaration:

Acetylated starch E 1420

The product is not derived from or produced using genetically modified organisms

Allergen statement:

The product does not contain any allergenic ingredients

Statement of origin:

Poland

A. Organoleptic testing:

No.	Name of property:	Requirements:	Test method:
1.	Colour	<i>White</i>	Instruction No. 01
2.	Odour	<i>Typical with a delicate scent of vinegar</i>	Instruction No. 03

B. Physical and chemical requirements:

No.	Name of property:	Requirements:	Test method:
1.	Mechanical impurities	<i>unacceptable</i>	Instruction No. 05
2.	Moisture content	<i>max. 20%</i>	Instruction No. 08
3.	pH value	<i>4,0 – 7,5</i>	Instruction No. 09
4.	SO₂ content	<i>max. 10 mg/kg</i>	Instruction No. 11
5.	Acetyl groups content	<i>max. 2,0% in dry matter</i>	Instruction No. 27
6.	Ash content	<i>max. 1,0% in dry matter</i>	Instruction No. 12
7.	Metal content: - arsenic - lead - mercury	<i>max. 1,0 mg/kg</i> <i>max. 2,0 mg/kg</i> <i>max. 0,1 mg/kg</i>	As per the standards used in accredited laboratories

C. Microbiological requirements:

No.	Name of property:	Requirements:	Test method:
1.	Aerobic bacteria	<i>max. 10.000 cfu/1g</i>	As per ISO 4833
2.	Coliform bacteria	<i>0 cfu/0,1g</i>	As per ISO 4832
3.	Salmonella spp.	<i>cfu/25, Absent</i>	As per ISO 6579
4.	Staphylococcus aureus	<i>cfu/0,1, Absent</i>	As per ISO 6888
5.	Yeast and mould	<i>max. 500 cfu/1g</i>	As per ISO 21527
6.	Bacillus cereus	<i>max. 10 cfu/1g</i>	As per ISO 7932

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D. Packaging, storage conditions, transport requirements:

No.	Name of property:	Requirements:
1.	Packaging type	<i>Multilayer vented paper bags or flexible big-bag containers. Unit packaging must be approved for food contact</i>
2.	Net content	<i>25, 800 or 1000kg</i>
3.	Labelling	<i>Consistent with the laws and regulations in force</i>
4.	Storage conditions	<i>Dry, clean and well-ventilated facilities without foreign odours, protected against rodents</i>
5.	Shelf life	<i>24 months of the manufacture date when stored in original packaging</i>
6.	Transport requirements	<i>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</i>

The new document enters into force on the date of its approval

Name of document	Withdrawn document		Introduced document	
	Issue No.	Date of issue	Issue No.	Date of issue
Quality specification: LU – 1420 Acetylated starch E1420	04	March 01, 2019	05	December 10, 2021

	Full name	Title	Date	Signature
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Approved by	Waldemar Kasperski	President of the Board of WPPZ S.A.	10.12.2021	<i>W. Kasperski</i>