

WPPZ S.A.
ul. Armii Poznań 49
62-030 Luboń, Poland

**PRODUCT QUALITY
SPECIFICATION SHEET
No. 29**

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Product name : Acetylated distarch adipate E1422
LU – 1422-6

Ingredients : As specified
Allergens allergen-free
GMO GMO-free

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A. Organoleptic testing

No.	Name of property	Requirements	Test method
1.	Colour	White	Instruction No. 03
2.	Odour	Typical of potato starch	Instruction No. 02

B. Physical and chemical requirements

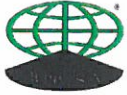
No.	Name of property	Requirements	Test method
1.	Mechanical impurities	unacceptable	Instruction No. 04
2.	Moisture content	max. 6.5%	As per PN-EN ISO 1666:2000
3.	pH value	5.5 – 7.5	Instruction No. 41
4.	SO ₂ content	max. 10 mg/kg	Instruction No. 43
5.	Acetyl groups content	max. 2.0 % in dry matter	Instruction No. 01
6.	Adipate groups content	max 0.135 % in dry matter	As per the standards used in accredited laboratories
7.	Viscosity of 4% paste at 25°C	min. 1200 ⁰ Bu	Instruction No. 07
8.	Viscosity of 4.5 % paste at 95°C	1300 – 1500 °Bu	Instruction No. 29
9.	Ash content	max. 0.8 % in dry matter	As per PN-EN ISO 3593:2000
10.	Metal content -Arsenic -Lead -Mercury	max. 1.0 mg/kg max. 2.0 mg/kg max. 0.1 mg/kg	As per the standards used in accredited laboratories

C. Microbiological requirements

No.	Name of property	Requirements	Test method
1.	Aerobic bacteria	max. 10.000 cfu/1g	As per ISO 4833
2.	Coliform bacteria	0 cfu/0.1g	As per ISO 4832
3.	Salmonella	cfu/25g, Absent	As per ISO 6579
4.	Staphylococcus aureus	cfu/0.1g, Absent	As per ISO 6888
5.	Yeast and mould	max. 500 cfu/1g	As per ISO 21527
6.	Bacillus cereus	max. 10 cfu/1g	As per ISO 7932

D. Packaging, storage conditions, transport requirements

No.	Name	Requirements
1.	Packaging type	Multilayer vented paper bags or flexible big-bag containers. Unit packaging must be approved for food contact
2.	Net content	25, 800 or 1000 kg
3.	Labelling	Consistent with the laws and regulations in force
4.	Storage conditions	Dry, clean and well-ventilated facilities without foreign odours, protected against rodents
5.	Shelf life	Recommended storage time: no longer than 24 months in original packaging. It is advised however to keep the storage time short as possible because the moisture content may increase gradually.



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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>
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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
Specification: Acetylated distarch adipate E 1422: LU-1422-6	02	July 14, 2014	03	April 01, 2015

	Full name	Title	Date	Signature
Prepared by	Maria Wojtaszak	Independent Technology Specialist	27.03.2015	M. Wojtaszak
Verified by	Małgorzata Kozielska	Quality Control Manager	01.04.2015	M. Kozielska
Approved by	Zbigniew Antecki	President of the Board of WPPZ S.A.	01.04.2015	Z. Antecki