HAMILTON

AB 079

TEST REPORT NO 413254/22/POZ/1

Client	Sample (according to declaration of Client)
Wielkopolskie Przedsiębiorstwo Przemysłu Ziemniaczanego S.A. Armii Poznań 49 62-030 Luboń	Sample description: Granulated starch LU-1432, production 2022 Batch: Produkcja 2022

Sample reception date:	16.09.2022	Sample status: no objections
Start of analysis	19.09.2022	
End of analysis	26.09.2022	Sample received from the Client
Test report date	27.09.2022	

Test Method	Unit	Result
* Content of elements [2] PN-EN 15763:2010		
Lead (Pb)	mg/kg	< 0,010 (0,010 ± 0,002)
Arsenic (As)	mg/kg	< 0,010 (0,010 ± 0,003)
Cadmium (Cd)	mg/kg	0,0025
Mercury (Hg)	mg/kg	< 0,0010 (0,0010 ± 0,0002)
Sulphur dioxide (SO_2) PN-A-74706:1984 (withdrawn)		
Sulphur dioxide (SO_2)	mg/kg	<10
* Aerobic colony count at 30°C PN-EN ISO 4833-1:2013-12	cfu/g	$4,5 \times 10^3$
* Number of presumptive Bacillus cereus at 30°C PN-EN ISO 7932:2005	cfu/g	$<1,0 \times 10^1$
* Presence of Salmonella spp. in 25 g PN-EN ISO 6579-1:2017-04; PN-EN ISO 6579-1:2017-04/A1:2020-09	in 25 g	Not detected
Moisture PN-EN ISO 1666:2000	%	5,53
* Presence of coagulase-positive staphylococci (Staphylococcus aureus and other species) in 0,1 g PN-EN ISO 6888-3:2004; PN-EN ISO 6888-3:2004/AC:2005	in 0,1 g	Not detected
* Number of yeasts and moulds at 25°C PN-ISO 7954:1999 (withdrawn)		
Number of yeasts	cfu/g	$6,0 \times 10^1$
Number of moulds	cfu/g	$<1,0 \times 10^1$
pH PN-A-74706:1984 (withdrawn)	-	7,7
GMO - triple screening [1] PB-397 ed. III of 29.12.2021 based on the manufacturer's instructions		
Presence of a specific GMO sequence: 35S promoter	-	not detected

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Presence of a specific GMO sequence: NOS terminator	-	not detected
Presence of a specific GMO sequence: 34S promoter FMV	-	not detected

1) Real-time PCR method. Limit of detection: 35 S promoter: 0.01%; NOS terminator: 0.01%; 34S promoter (FMV): 0.01%.

2) The lower limit of the measuring range of the accredited method, which is also the limit of quantification set by the Laboratory.

Authorized by:
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The test report bears the certified electronic seal of J.S. Hamilton Poland Sp. z o.o.

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THE END OF THE REPORT