



TEST REPORT NO 408398/22/POZ/Z1
Replaces test report no. 408398/22/POZ of 04.10.2022

Client Wielkopolskie Przedsiębiorstwo Przemysłu Ziemniaczanego S.A. Armii Poznań 49 62-030 Luboń		Sample (according to declaration of Client) Sample description: Potato starch LU-1431-1, production September 2022 Batch: wrzesień 2022
Sample reception date:	16.09.2022	Sample status: no objections Sample received from the Client
Start of analysis	19.09.2022	
End of analysis	04.10.2022	
Test report date	07.10.2022	

Test Method	Unit	Result
* Content of elements ³⁾ PN-EN 15763:2010		
Lead (Pb)	mg/kg	< 0,010 (0,010 ± 0,003)
Arsenic (As)	mg/kg	< 0,010 (0,010 ± 0,002)
Cadmium (Cd)	mg/kg	0,0032
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Sulphur dioxide (SO ₂) PN-A-74706:1984 (withdrawn)		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
* Number of coliforms at 37°C PN-ISO 4832:2007	cfu/g	<1,0x10 ¹
* Aerobic colony count at 30°C PN-EN ISO 4833-1:2013-12	cfu/g	9,1x10 ²
* Number of presumptive Bacillus cereus at 30°C PN-EN ISO 7932:2005	cfu/g	<1,0x10 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	%	19,17
* 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* Number of yeasts and moulds at 25°C PN-ISO 7954:1999 (withdrawn)		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	<1,0x10 ¹
Number of moulds	cfu/g	<1,0x10 ¹
pH PN-A-74706:1984 (withdrawn)	-	8,0



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Ash PN-EN ISO 3593:2000	%	0,25
Mineral matter insoluble in 10% hydrochloride acid (HCl) PN-A-74702:1978 (withdrawn)	%	<0,01
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
Presence of a specific GMO sequence: NOS terminator	-	not detected
Presence of a specific GMO sequence: 34S promoter FMV	-	not detected
* Pesticides - SCR1 - ed. VI of 08.06.2020 ^{2) 3) 4)} LMBG-00.00-34:1999 (DFG S19) except section E9		
Analysed pesticides	mg/kg	below quantification limit

- 1) Real-time PCR method. Limit of detection: 35 S promoter: 0.01%; NOS terminator: 0.01%; 34S promoter (FMV): 0.01%.
- 2) List of analysed pesticides with limit of quantifications is given in Enclosure SCR1 ed. VI of 08.06.2020.
- 3) The lower limit of the measuring range of the accredited method, which is also the limit of quantification set by the Laboratory.
- 4) The measurement uncertainty is $\pm 50\%$, according to SANTE/11312/2021.

Mineral matter insoluble in 10% hydrochloride acid (HCl): Identification of the change: test result

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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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Pesticides - SCR1 - ed. VI of 08.06.2020

No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]
1	Aldrin	0,005-0,5	33	Endosulfan alpha isomer	0,01-50	65	Methacrifos	0,01-0,5
2	Aldrin and dieldrin combined expressed as dieldrin	0,005-0,5	34	Endosulfan beta isomer	0,01-50	66	Methamidophos	0,01-10
3	Azinphos-ethyl	0,01-0,5	35	Endosulfan sulphate	0,01-50	67	Methidathion	0,01-1
4	Azinphos-methyl	0,01-2	36	Endrin	0,005-1	68	Methoxychlor	0,005-1
5	Bifenthrin (sum of isomers)	0,01-20	37	Ethion	0,005-5	69	Metolachlor	0,01-1
6	Bromophos (-methyl)	0,005-4	38	Etrimphos	0,005-1	70	Metribuzin	0,005-1
7	Bromophos-ethyl	0,01-0,5	39	Fenchlorphos	0,005-0,5	71	Mevinphos (sum of isomers)	0,01-1
8	Captan	0,01-5	40	Fenitrothion	0,005-4	72	Mirex	0,005-1
9	Carbophenothion	0,01-1	41	Fenson	0,005-1	73	Myclobutanil (sum of isomers)	0,01-5
10	Chlordane (sum of cis- and trans-chlordane)	0,005-0,5	42	Fensulfothion	0,01-1	74	Nuarimol	0,01-1
11	Chlordane, cis	0,005-0,5	43	Fenthion	0,01-2	75	Omethoate	0,01-1
12	Chlordane, trans	0,005-0,5	44	Fenvalerate (sum of isomers)	0,01-0,5	76	Oxychlordane (Octachlorepoxyde)	0,005-0,5
13	Chlorfenson	0,01-0,5	45	Fluvalinate-tau	0,01-1	77	Paraoxon-methyl	0,01-1
14	Chlorfenvinphos	0,01-2	46	Folpet	0,01-20	78	Parathion	0,01-1
15	Chlorothalonil	0,005-20	47	Fonophos	0,005-0,5	79	Parathion-methyl	0,005-1
16	Chlorpyrifos	0,005-5	48	HCH alpha isomer	0,005-1	80	Parathion-methyl (sum of parathion-methyl and paraoxon-methyl expressed as parathion-methyl)	0,005-1
17	Chlorpyrifos-methyl	0,005-2	49	HCH beta isomer	0,005-1	81	Penconazole (sum of isomers)	0,01-1
18	Cypermethrin (sum of isomers)	0,02-50	50	HCH delta isomer	0,005-1	82	Pentachloroaniline	0,005-1
19	DDD-o,p'	0,005-2	51	Heptachlor	0,005-1	83	Permethrin (sum of isomers)	0,01-0,5
20	DDD-p,p'	0,005-2	52	Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)	0,005-1	84	Phenthoate	0,01-1
21	DDE-o,p'	0,005-2	53	Heptachlor epoxide, cis	0,005-1	85	Phorate	0,01-0,5
22	DDE-p,p'	0,005-2	54	Heptachlor epoxide, trans	0,005-1	86	Phosalone	0,005-4
23	DDT (sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT)	0,005-2	55	Heptenophos	0,005-1	87	Phosmet	0,005-0,5
24	DDT-o,p'	0,005-2	56	Hexachlorobenzene (HCB)	0,005-0,5	88	Phosphamidon (sum of isomers)	0,01-1
25	DDT-p,p'	0,005-2	57	Isodrin	0,005-1	89	Pirimicarb	0,01-2
26	Diazinon	0,01-2	58	Isofenphos (-ethyl)	0,005-0,5	90	Pirimiphos-ethyl	0,005-4
27	Dichlofenthion	0,01-1	59	Lindane (HCH gamma isomer)	0,005-1	91	Pirimiphos-methyl	0,005-4
28	Dichlofluanid	0,005-10	60	Malaoxon	0,01-1	92	Procymidone	0,01-20
29	Dichlorvos (DDVP)	0,01-0,5	61	Malathion	0,005-10	93	Profenophos	0,01-10
30	Dicofol (sum of isomers)	0,01-4	62	Malathion (sum of malathion and malaoxon expressed as malathion)	0,005-1	94	Propachlor	0,02-0,5
31	Dieldrin	0,005-1,5	63	Mecarbam	0,01-0,5	95	Propetamphos	0,01-1
32	Endosulfan (sum of alpha- and beta- isomers and endosulfan-sulphate expresses as endosulfan)	0,01-50	64	Metalaxyl and metalaxyl-M (sum of isomers)	0,01-20	96	Propiconazole (sum of isomers)	0,01-1

No.	Compound	Range [mg/kg]
97	Propyzamide	0,01-2
98	Pyrazophos	0,01-0,5
99	Pyridaphenthion	0,01-1
100	Quinalphos	0,01-0,5
101	Quintozene	0,01-1
102	Quintozene (sum of quintozene and pentachloro- aniline expressed as quintozene)	0,005-1
103	Simazine	0,01-1
104	Sulfotep	0,005-1
105	Tecnazene	0,01-0,5
106	Terbutylazine	0,01-0,5
107	Tetramethrin (sum of isomers)	0,01-1
108	Tetrasul	0,005-1
109	Thiometon	0,01-1
110	Trifluralin	0,005-1
111	Vinclozolin	0,005-20



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AB 079

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THE END OF THE REPORT

The results refer only to the samples received. When a measurement uncertainty is given, it is an expanded uncertainty estimated for a coverage factor $k=2$ at 95% confidence level and is not including sampling uncertainty, unless otherwise stated. When the conformity is stated J.S. Hamilton Poland Sp. z o.o. applies the simple acceptance decision rule in accordance with ILAC-G8:09/2019, unless otherwise reported. If the "result" column of the accredited method contains a record: "<" or ">", it means, that it is the test outcome directly related to the lower or upper limit of the measuring range of the accredited method, whereas the given expanded measurement uncertainty relates only to the lower or upper limit of the measuring range of the accredited method respectively. In such a case, the Laboratory presents the opinion and interpretation in the "statement of conformity" column, which is based on the obtained test outcome. This test report may not be copied in part without the prior written permission of J.S. Hamilton Poland Sp. z o.o. The responsibility of J.S. Hamilton Poland Sp. z o.o. is limited solely to the data issued in its original. J.S. Hamilton Poland Sp. z o.o. does not permit the use of the PCA accreditation symbol AB 079 by customers, subcontractors, external service providers and other third parties. For further information please refer to the PCA document - DA-02. The service confirmed by this report is subject to the General Terms and Conditions of Services of J.S. Hamilton Poland Sp. z o.o. published on www.hamilton.com.pl.

* Test method accredited

Test performed by external provider