HAMILTON

AB 079

REPORT OF ANALYSIS No. 513920/21/POZ

Client		Sample description *(according to declaration of Client)*
WIELKOPOLSKIE PRZEDSIĘBIORSTWO PRZEMYSŁU ZIEMNIACZANEGO S.A. ARMII POZNAŃ 49 62 – 030 LUBOŃ		**Potato protein LU-1434, batch no 03/06.09.2021** **Batch/lot: 03** **Production date: 06-09-2021** **Expiry date: 07-03-2023**
Sample received:	**2021-09-10**	**Sample without any visible damages**
Analysis completed (the date of performance of the laboratory activity):	**2021-09-20**	**Order of 2021-09-07**
Report dated:	**2021-09-20**	The samples were delivered by Client

Test	Method	Unit	Result
Fluorine	AOAC 975.08:1975	mg/kg	<5
* Moisture	Commission Regulation (EU) 152/2009 of 27 January 2009, Annex. III, p. A	%	10,2
* Enumeration of yeast and moulds	PN-ISO 21527-2:2009		
Enumeration of moulds		cfu/g	$<1,0x10^1$
Enumeration of yeast		cfu/g	$<1,0x10^1$
* Detection of Salmonella spp. in 25g	PN-EN ISO 6579-1:2017-04+A1:2020-09		not detected in 25g
* Arsenic	PN-EN 15763:2010	mg/kg	0,030
* Cadmium	PN-EN 15763:2010	mg/kg	0,32
* Lead	PN-EN 15763:2010	mg/kg	0,051
* Mercury	PN-EN 15763:2010	mg/kg	0,0037
* Pesticides - screening - SCR [1)]	LMBG-00.00-34:1999 (DFG S19) except section E9		
Organochlorine pesticides		mg/kg	below quantification limit
Organophosphorus pesticides		mg/kg	below quantification limit
Pyrethroids		mg/kg	below quantification limit
Other pesticides		mg/kg	below quantification limit
* Dioxins / Furans / Dioxin-like PCBs / PCB indicator	PB-408 ed. I of 05.10.2020		
2,3,7,8-TCDD		ng/kg	< 0,05
1,2,3,7,8-PeCDD		ng/kg	< 0,05
1,2,3,4,7,8-HxCDD		ng/kg	< 0,05
1,2,3,6,7,8-HxCDD		ng/kg	< 0,05
1,2,3,7,8,9-HxCDD		ng/kg	< 0,05
1,2,3,4,6,7,8-HpCDD		ng/kg	< 0,05
OCDD		ng/kg	< 0,1
2,3,7,8-TCDF		ng/kg	< 0,05
1,2,3,7,8-PeCDF		ng/kg	< 0,05
2,3,4,7,8-PeCDF		ng/kg	< 0,05
1,2,3,4,7,8-HxCDF		ng/kg	< 0,05
1,2,3,6,7,8-HxCDF		ng/kg	< 0,05
2,3,4,6,7,8-HxCDF		ng/kg	< 0,05
1,2,3,7,8,9-HxCDF		ng/kg	< 0,05
1,2,3,4,6,7,8-HpCDF		ng/kg	< 0,05

Authorized by: Alicja Nowak, Senior Specialist Analyst, Classical Analysis Laboratory
Anna Taterka, Expert Analyst, Microbiology Laboratory Przeźmierowo
Dominika Pudlak, Senior Specialist analyst, Dioxin Analysis Laboratory
Marta Różycka, Expert Analyst, Spectroscopy Laboratory
Patrycja Gawrysiak, Senior Specialist Analyst, Gas Chromatography Laboratory
Approved by: Hanna Wachowska, Laboratory Director *(Approved with electronic signature)*

Laboratory: Gdynia 81-571, Chwaszczyńska 180; Przeźmierowo 62-081 , ul. Rzemieślnicza 9

* Test method accredited; # Test performed by external provider

Form PO-10/02a of 20.01.2020

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REPORT OF ANALYSIS No. 513920/21/POZ

1,2,3,4,7,8,9-HpCDF	ng/kg	< 0,05
OCDF	ng/kg	< 0,1
WHO-PCDD/F-TEQ lower-bound [2)]	ng/kg	0,000
WHO-PCDD/F-TEQ medium-bound [2)]	ng/kg	0,077
WHO-PCDD/F-TEQ upper-bound [2)]	ng/kg	0,155
PCB-081	ng/kg	< 0,05
PCB-077	ng/kg	0,920
PCB-126	ng/kg	< 0,05
PCB-169	ng/kg	< 0,05
PCB-123	ng/kg	< 10
PCB-118	ng/kg	13,655
PCB-114	ng/kg	< 10
PCB-105	ng/kg	< 10
PCB-167	ng/kg	< 10
PCB-156	ng/kg	< 10
PCB-157	ng/kg	< 10
PCB-189	ng/kg	< 10
WHO-dl-PCB-TEQ lower-bound [2)]	ng/kg	0,000
WHO-dl-PCB-TEQ medium-bound [2)]	ng/kg	0,005
WHO-dl-PCB-TEQ upper-bound [2)]	ng/kg	0,009
WHO-PCDD/F-PCB-TEQ lower-bound [2)]	ng/kg	0,000
WHO-PCDD/F-PCB-TEQ medium-bound [2)]	ng/kg	0,082
WHO-PCDD/F-PCB-TEQ upper-bound [2)]	ng/kg	0,164
PCB-028	µg/kg	< 0,1
PCB-052	µg/kg	< 0,1
PCB-101	µg/kg	< 0,1
PCB-153	µg/kg	< 0,1
PCB-138	µg/kg	< 0,1
PCB-180	µg/kg	< 0,1
Sum of ndl-PCB (ICES-6) lower-bound [2)]	µg/kg	0,00
Sum of ndl-PCB (ICES-6) medium-bound [2)]	µg/kg	0,29
Sum of ndl-PCB (ICES-6) upper-bound [2)]	µg/kg	0,59

[1)] List of analysed pesticides with quantification limits is in Enclosure SCR1 ed. VI of 08.06.2020.

[2)] Result is calculated relative to feeding stuff with a moisture content of 12%

THE END OF THE REPORT

Authorized by: Alicja Nowak, Senior Specialist Analyst, Classical Analysis Laboratory
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