

REPORT OF ANALYSIS No. 221585/21/POZ

Client WIELKOPOLSKIE PRZEDSIĘBIORSTWO PRZEMYSŁU ZIEMNIACZANEGO S.A. ARMII POZNAŃ 49 62 – 030 LUBOŃ	Sample description (according to declaration of Client) Potato protein LU-1434 Batch/lot: 102 Production date: 08-12-2020 Expiry date: 08-06-2022
Sample received: 2021-04-20	Condition of the sample without objections Order of 2021-04-19 The samples were received by J.S. Hamilton Poland Sp. z o.o.
Analysis completed (the date of performance of the laboratory activity): 2021-04-28	
Report dated: 2021-04-28	

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	%	7,9
* 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	0,026
* Cadmium	PN-EN 15763:2010	mg/kg	0,31
* Lead	PN-EN 15763:2010	mg/kg	0,037
* Mercury	PN-EN 15763:2010	mg/kg	0,0032
* 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	0,061
1,2,3,7,8,9-HxCDD		ng/kg	< 0,05
1,2,3,4,6,7,8-HpCDD		ng/kg	0,549
OCDD		ng/kg	1,219
2,3,7,8-TCDF		ng/kg	0,498
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	0,051
1,2,3,6,7,8-HxCDF		ng/kg	< 0,05
2,3,4,6,7,8-HxCDF		ng/kg	0,086
1,2,3,7,8,9-HxCDF		ng/kg	< 0,05
1,2,3,4,6,7,8-HpCDF		ng/kg	0,318

Authorized by: Alicja Nowak, Senior Specialist Analyst, Classical Analysis Laboratory
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Marta Raczowska, Expert Analyst, Microbiology Laboratory Przeźmierowo
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Patrycja Went-Sadowska, Dioxin Analysis Laboratory Manager

Approved by: Hanna Wachowska, Laboratory Director (Approved with electronic signature)

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

The results relate to the analysed samples only. Unless otherwise specified given expanded measurement uncertainty was estimated for the coverage factor k=2 at 95% confidence level. Sampling uncertainty has not been taken into consideration. Unless otherwise specified when conformity is stated J.S. Hamilton Poland Sp. z o.o. applies the simple acceptance decision rule in accordance with ILAC-G8:09/2019. This Report cannot be reproduced partially without a prior written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in original copy of the Report. 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

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1,2,3,4,7,8,9-HpCDF	ng/kg	< 0,05
OCDF	ng/kg	0,153
WHO-PCDD/F-TEQ lower-bound ²⁾	ng/kg	0,075
WHO-PCDD/F-TEQ medium-bound ²⁾	ng/kg	0,141
WHO-PCDD/F-TEQ upper-bound ²⁾	ng/kg	0,206
PCB-081	ng/kg	0,110
PCB-077	ng/kg	2,248
PCB-126	ng/kg	0,095
PCB-169	ng/kg	< 0,05
PCB-123	ng/kg	< 10
PCB-118	ng/kg	14,202
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	0,010
WHO-dl-PCB-TEQ medium-bound ²⁾	ng/kg	0,011
WHO-dl-PCB-TEQ upper-bound ²⁾	ng/kg	0,013
WHO-PCDD/F-PCB-TEQ lower-bound ²⁾	ng/kg	0,085
WHO-PCDD/F-PCB-TEQ medium-bound ²⁾	ng/kg	0,152
WHO-PCDD/F-PCB-TEQ upper-bound ²⁾	ng/kg	0,219
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	0,57

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

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