



TEST REPORT NO 152427/23/POZ

Client Wielkopolskie Przedsiębiorstwo Przemysłu Ziemniaczanego S.A. Armii Poznań 49 62-030 Luboń		Sample (according to declaration of Client) Sample description: Potato protein LU-1434 Batch: 61 Production date: 10.11.2022 Expiry date: 09.05.2024
Sample reception date:	28.03.2023	Sample status: no objections Sample received from the Client
Start of analysis	29.03.2023	
End of analysis	05.04.2023	
Test report date	05.04.2023	

Test Method	Unit	Result
* Number of yeasts and moulds at 25°C PN-ISO 21527-2:2009 (withdrawn)		
Number of yeasts and moulds	cfu/g	3,0x10 ²
Number of yeasts	cfu/g	<1,0x10 ¹
Number of moulds	cfu/g	3,0x10 ²
* Content of elements PN-EN 15763:2010		
Lead (Pb)	mg/kg	0,035
Arsenic (As)	mg/kg	0,021
Cadmium (Cd)	mg/kg	0,32
Mercury (Hg)	mg/kg	0,0059
Fluorine AOAC 975.08:1975	mg/kg	<5
* Moisture Commission Regulation (EU) 152/2009, Annex III, p. A	%	8,6
* Dioxins/ Furans/ Dioxin-like PCBs/ Indicator PCBs ¹⁾ PB-408 ed. III of 04.10.2021		
2,3,7,8-TCDD	ng/kg	< 0,05 (0,05 ± 0,01)
1,2,3,7,8-PeCDD	ng/kg	< 0,05 (0,05 ± 0,01)
1,2,3,4,7,8-HxCDD	ng/kg	< 0,05 (0,05 ± 0,01)
1,2,3,6,7,8-HxCDD	ng/kg	< 0,05 (0,05 ± 0,01)
1,2,3,7,8,9-HxCDD	ng/kg	< 0,05 (0,05 ± 0,01)
1,2,3,4,6,7,8-HpCDD	ng/kg	< 0,05 (0,05 ± 0,01)
OCDD	ng/kg	0,123
2,3,7,8-TCDF	ng/kg	< 0,05 (0,05 ± 0,01)
1,2,3,7,8-PeCDF	ng/kg	< 0,05 (0,05 ± 0,01)
2,3,4,7,8-PeCDF	ng/kg	< 0,05 (0,05 ± 0,01)



TEST REPORT NO 152427/23/POZ

1,2,3,4,7,8-HxCDF	ng/kg	< 0,05 (0,05 ± 0,01)
1,2,3,6,7,8-HxCDF	ng/kg	< 0,05 (0,05 ± 0,01)
2,3,4,6,7,8-HxCDF	ng/kg	< 0,05 (0,05 ± 0,01)
1,2,3,7,8,9-HxCDF	ng/kg	< 0,05 (0,05 ± 0,01)
1,2,3,4,6,7,8-HpCDF	ng/kg	< 0,05 (0,05 ± 0,01)
1,2,3,4,7,8,9-HpCDF	ng/kg	< 0,05 (0,05 ± 0,01)
OCDF	ng/kg	< 0,10 (0,10 ± 0,02)
WHO-PCDD/F-TEQ lower-bound ²⁾	ng/kg	0,000
WHO-PCDD/F-TEQ medium-bound ²⁾	ng/kg	0,076
WHO-PCDD/F-TEQ upper-bound ²⁾	ng/kg	0,152
PCB-081	ng/kg	< 0,05 (0,05 ± 0,01)
PCB-077	ng/kg	< 0,05 (0,05 ± 0,01)
PCB-126	ng/kg	< 0,05 (0,05 ± 0,01)
PCB-169	ng/kg	< 0,05 (0,05 ± 0,01)
PCB-123	ng/kg	< 10 (10 ± 2)
PCB-118	ng/kg	< 10 (10 ± 2)
PCB-114	ng/kg	< 10 (10 ± 2)
PCB-105	ng/kg	< 10 (10 ± 2)
PCB-167	ng/kg	< 10 (10 ± 2)
PCB-156	ng/kg	< 10 (10 ± 2)
PCB-157	ng/kg	< 10 (10 ± 2)
PCB-189	ng/kg	< 10 (10 ± 2)
WHO-dl-PCB-TEQ lower-bound ²⁾	ng/kg	0,000
WHO-dl-PCB-TEQ medium-bound ²⁾	ng/kg	0,004
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	0,081
WHO-PCDD/F-PCB-TEQ upper-bound ²⁾	ng/kg	0,161
PCB-028	µg/kg	< 0,10 (0,10 ± 0,02)
PCB-052	µg/kg	< 0,10 (0,10 ± 0,02)
PCB-101	µg/kg	< 0,10 (0,10 ± 0,02)
PCB-153	µg/kg	< 0,10 (0,10 ± 0,02)
PCB-138	µg/kg	< 0,10 (0,10 ± 0,02)
PCB-180	µg/kg	< 0,10 (0,10 ± 0,02)
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	0,58
* # Pesticides - F&V - List XL (GC) ed. V of 09.02.2023 ^{1) 3) 4)} PN-EN 15662:2018-06 (GC-MS/MS)		
Analysed pesticides	mg/kg	below quantification limit



TEST REPORT NO 152427/23/POZ

* # Pesticides - F&V - List XL (LC) ed. V of 09.02.2023 ^{1) 3) 4)} PN-EN 15662:2018-06 (LC-MS/MS)		
Fluopicolide	mg/kg	0,009 ± 0,005
Other pesticides	mg/kg	below quantification limit
* 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

- 1) The lower limit of the measuring range of the accredited method, which is also the limit of quantification set by the Laboratory.
- 2) The result was calculated for a sample with a moisture content of 12%.
- 3) The measurement uncertainty is ± 50%, according to Sante/11312/2021.
- 4) The F&V-XL ed. V of 09.02.2023 list includes the determined compounds with limits of quantification.

Test: Pesticides - F&V - List XL (GC) ed. V of 09.02.2023 was performed in laboratory with an accreditation number AB 1537
Test: Pesticides - F&V - List XL (LC) ed. V of 09.02.2023 was performed in laboratory with an accreditation number AB 1537

Authorized by:
Aleksandra Makowska, Senior Analysis Specialist, Classical Analysis Laboratory
Karol Jabłoński, Senior Analysis Specialist, Dioxin Analysis Laboratory
Katarzyna Duczek, Analysis Expert, Microbiology Laboratory
Patrycja Galera, Senior Analysis Specialist, Spectrometry Laboratory
Paulina Burzyńska, Senior Analysis Specialist, Microbiology Laboratory
Subcontracted test results are authorised by persons authorised by the external provider.
The test report bears the certified electronic seal of J.S. Hamilton Poland Sp. z o.o.
Laboratory address:
Chwaszczyńska 180, 81-571 Gdynia

Pesticides - F&V - List XL (GC) ed. V of 09.02.2023

No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]
1	Prothiophos	0,005-5,0	34	Bupirimate	0,005-5,0	67	Chlorthal-dimethyl	0,005-5,0
2	2,3,5,6-Tetrachloroaniline	0,005-5,0	35	Buprofezin	0,005-5,0	68	Chlorthion	0,005-5,0
3	2,4,5-T methyl ester	0,005-5,0	36	Butachlor	0,005-5,0	69	Chlorthiophos	0,005-5,0
4	2,4,6-Trichlorophenol	0,005-5,0	37	Butafenacil	0,005-5,0	70	Chlozolate	0,005-5,0
5	2-phenylphenol	0,005-5,0	38	Butralin	0,005-5,0	71	Cinidon-ethyl	0,005-5,0
6	3,4,5-Trimethacarb (Landrin)	0,005-5,0	39	Butylate	0,005-5,0	72	Clodionaop-propargyl	0,005-5,0
7	4-Bromo-2-chlorophenol	0,005-5,0	40	Cadusafos	0,005-5,0	73	Clomazone	0,005-5,0
8	Acibenzolar-S-methyl	0,005-5,0	41	Captan	0,005-5,0	74	Clomeprop	0,005-5,0
9	Aclonifen	0,005-5,0	42	Captan (sum of captan and THPI, expressed as captan)	0,005-5,0	75	Cloquintocet-mexyl	0,005-5,0
10	Acrinathrin	0,005-5,0	43	Captan metabolite THPI	0,005-5,0	76	Crimidine	0,005-5,0
11	Alachlor	0,005-5,0	44	Carbaryl	0,005-5,0	77	Crufomate	0,005-5,0
12	Aldrin	0,001-5,0	45	Carbophenothion (-ethyl)	0,005-5,0	78	Cyanofenphos	0,005-5,0
13	Aldrin and dieldrin combined expressed as dieldrin	0,001-5,0	46	Carbophenothion-methyl	0,005-5,0	79	Cyanophos	0,005-5,0
14	Allethrin	0,005-5,0	47	Carboxin	0,005-5,0	80	Cyflufenamid (sum of isomers)	0,005-5,0
15	Ametryn	0,005-5,0	48	Chinomethionate	0,005-5,0	81	Cyfluthrin (sum of isomers)	0,005-5,0
16	Amisulbrom	0,005-5,0	49	Chlorbenside	0,005-5,0	82	Cyhalofop-butyl	0,005-5,0
17	Anthraquinone	0,005-5,0	50	Chlorbufam	0,005-5,0	83	Cyhalothrin-gamma	0,005-5,0
18	Azaconazole	0,005-5,0	51	Chlordane (sum of cis- and trans-chlordane)	0,005-5,0	84	Cyhalothrin-lambda	0,005-5,0
19	Beflubutamid	0,005-5,0	52	Chlordane, cis	0,005-5,0	85	Cypermethrin (sum of isomers)	0,005-5,0
20	Benalaxyl (sum of isomers)	0,005-5,0	53	Chlordane, trans	0,005-5,0	86	Cyphenothrin	0,005-5,0
21	Benfluralin	0,005-5,0	54	Chlordecone	0,005-5,0	87	Cyprodinil	0,005-5,0
22	Benfuresate	0,005-5,0	55	Chlordimeform	0,005-5,0	88	Dazomet	0,005-5,0
23	Benoxacor	0,005-5,0	56	Chlorfenapyr	0,005-5,0	89	DDD-o,p'	0,005-5,0
24	Benzoylprop-ethyl	0,005-5,0	57	Chlorfenprop-methyl	0,005-5,0	90	DDD-p,p'	0,005-5,0
25	Bifenox	0,005-5,0	58	Chlorfenson	0,005-5,0	91	DDE-o,p'	0,005-5,0
26	Bifenthrin (sum of isomers)	0,005-5,0	59	Chlorfenvinphos	0,005-5,0	92	DDE-p,p'	0,005-5,0
27	Biphenyl	0,005-5,0	60	Chlormephos	0,005-5,0	93	DDT (sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT)	0,005-5,0
28	Bitertanol	0,005-5,0	61	Chlorobenzilate	0,005-5,0	94	DDT-o,p'	0,005-5,0
29	Bromfenvinfos (-ethyl)	0,005-5,0	62	Chloroneb	0,005-5,0	95	DDT-p,p'	0,005-5,0
30	Bromocyclen	0,005-5,0	63	Chloropropylate	0,005-5,0	96	Deltamethrin	0,005-5,0
31	Bromophos (-methyl)	0,005-5,0	64	Chlorpropham	0,005-5,0	97	Desmetryn	0,005-5,0
32	Bromophos-ethyl	0,005-5,0	65	Chlorpyrifos (-ethyl)	0,005-5,0	98	Dialifos	0,005-5,0
33	Bromopropylate	0,005-5,0	66	Chlorpyrifos-methyl	0,005-5,0	99	Di-allate (sum of isomers)	0,005-5,0

No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]
100	Diazinon	0,005-5,0	133	Endosulfan beta isomer	0,005-5,0	167	Fipronil (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil)	0,001-5,0
101	Dibromobenzophenon-4.4	0,005-5,0	134	Endosulfan sulphate	0,005-5,0	168	Fipronil sulfide	0,001-5,0
102	Dichlobenil	0,005-5,0	135	Endrin	0,001-5,0	169	Fipronil sulfone	0,001-5,0
103	Dichlofenthion	0,005-5,0	136	Endrin ketone	0,005-5,0	170	Fipronil-desulfinyl	0,001-5,0
104	Dichlormid	0,005-5,0	137	EPN	0,005-5,0	171	Flamprop-isopropyl	0,005-5,0
105	Dichlorobenzophenone-4.4	0,005-5,0	138	Epoxiconazole	0,005-5,0	172	Flamprop-methyl	0,005-5,0
106	Dichlorvos (DDVP)	0,005-5,0	139	EPTC	0,005-5,0	173	Fluazifop-P-buthyl	0,005-5,0
107	Diclobutrazol	0,005-5,0	140	Etaconazole	0,005-5,0	174	Fluchloralin	0,005-5,0
108	Dicloran	0,005-5,0	141	Ethalfuralin	0,005-5,0	175	Flucythrinate (sum of isomers)	0,005-5,0
109	Dicofol (sum of isomers)	0,005-5,0	142	Ethiolate	0,005-5,0	176	Fludioxonil	0,005-5,0
110	Dieldrin	0,001-5,0	143	Ethion	0,005-5,0	177	Flumetralin	0,005-5,0
111	Dimethachlor	0,005-5,0	144	Ethofumesate	0,005-5,0	178	Flumioxazin	0,005-5,0
112	Dimethenamid (sum of isomers)	0,005-5,0	145	Ethoprophos (Ethoprop)	0,005-5,0	179	Fluorodifen	0,005-5,0
113	Dimethipin	0,005-5,0	146	Ethoxyquin	0,005-5,0	180	Fluotrimazole	0,005-5,0
114	Dimethomorph (sum of isomers)	0,005-5,0	147	Ethychozate	0,005-5,0	181	Fluquinconazole	0,005-5,0
115	Dimetilan	0,005-5,0	148	Etofenprox	0,005-5,0	182	Flurenol-butyl	0,005-5,0
116	Dimoxystrobin	0,005-5,0	149	Etridiazole	0,005-5,0	183	Flurochloridon	0,005-5,0
117	Diniconazole (sum of isomers)	0,005-5,0	150	Etrimphos	0,005-5,0	184	Flurprimidol	0,005-5,0
118	Dinitramine	0,005-5,0	151	Fenarimol	0,005-5,0	185	Flusilazole	0,005-5,0
119	Dinoseb	0,005-5,0	152	Fenazaquin	0,005-5,0	186	Flutolanil	0,005-5,0
120	Dinoterb	0,005-5,0	153	Fenbuconazole	0,005-5,0	187	Flutriafol	0,005-5,0
121	Dioxacarb	0,005-5,0	154	Fenchlorphos (Ronnell)	0,005-5,0	188	Fluvalinate-tau	0,005-5,0
122	Dioxathion (sum of isomers)	0,005-5,0	155	Fenchlorphos oxon	0,005-5,0	189	Folpet	0,005-5,0
123	Diphenamid	0,005-5,0	156	Fenfluthrin	0,005-5,0	190	Folpet (sum of folpet and phtalimide, expressed as folpet)	0,005-5,0
124	Diphenylamine	0,005-5,0	157	Fenhexamid	0,005-5,0	191	Fonophos	0,005-5,0
125	Disulfoton	0,001-5,0	158	Fenitrothion	0,005-5,0	192	Furametpyr	0,005-5,0
126	Disulfoton sulfone	0,001-5,0	159	Fenpiclonil	0,005-5,0	193	Halfenprox	0,005-5,0
127	Disulfoton sulfoxide	0,001-5,0	160	Fenpropathrin	0,005-5,0	194	HCH alpha isomer	0,005-5,0
128	Ditalimfos	0,005-5,0	161	Fenpropidin	0,005-5,0	195	HCH beta isomer	0,005-5,0
129	Dodemorph	0,005-5,0	162	Fenpropimorph	0,005-5,0	196	HCH delta isomer	0,005-5,0
130	Edifenphos	0,005-5,0	163	Fenson	0,005-5,0	197	HCH epsilon isomer	0,005-5,0
131	Endosulfan (sum of alpha- and beta- isomers and endosulfan-sulphate expresses as endosulfan)	0,005-5,0	164	Fenuron	0,005-5,0	198	HCH gamma isomer (Lindane)	0,005-5,0
132	Endosulfan alpha isomer	0,005-5,0	165	Fenvalerate (sum of isomers)	0,005-5,0	199	Heptachlor	0,0025-5,0
			166	Fipronil	0,001-5,0			



No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]
200	Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)	0,0025-5,0	232	Methiocarb (Mercaptodimethur)	0,005-5,0	266	Pentachlorobenzene	0,005-5,0
201	Heptachlor epoxide, cis	0,001-5,0	233	Methiocarb sulfone	0,005-5,0	267	Pentanochlor	0,005-5,0
202	Heptachlor epoxide, trans	0,001-5,0	234	Methoprotryne	0,005-5,0	268	Permethrin (sum of isomers)	0,005-5,0
203	Heptenophos	0,005-5,0	235	Methoxychlor	0,005-5,0	269	Perthane	0,005-5,0
204	Hexachlorobenzene (HCB)	0,001-5,0	236	Metolachlor	0,005-5,0	270	Phenkapton	0,005-5,0
205	Hexaconazole	0,005-5,0	237	Metribuzin	0,005-5,0	271	Phenothrin (sum of isomers)	0,005-5,0
206	Hexazinone	0,005-5,0	238	Mevinphos (sum of isomers)	0,005-5,0	272	Phorate	0,005-5,0
207	Imazalil	0,005-5,0	239	Mirex	0,005-5,0	273	Phorate oxone	0,005-5,0
208	Iodofenphos	0,005-5,0	240	Molinate	0,005-5,0	274	Phorate oxone sulfone	0,005-5,0
209	Ioxynil-octanoate	0,005-5,0	241	Monalide	0,005-5,0	275	Phorate sulfone	0,005-5,0
210	Ipconazole	0,005-5,0	242	Myclobutanil (sum of isomers)	0,005-5,0	276	Phosalone	0,005-5,0
211	Iprobenfos	0,005-5,0	243	Naled	0,005-5,0	277	Phtalimide	0,005-5,0
212	Iprodione	0,005-5,0	244	Naphtalene	0,005-5,0	278	Picoxystrobin	0,005-5,0
213	Isazofos	0,005-5,0	245	Nitralin	0,005-5,0	279	Piperonyl butoxide	0,005-5,0
214	Isocarbophos	0,005-5,0	246	Nitrapyrin	0,005-5,0	280	Pirimicarb	0,005-5,0
215	Isodrin	0,005-5,0	247	Nitrofen	0,001-5,0	281	Pirimicarb-desmethyl	0,005-5,0
216	Isufenphos (-ethyl)	0,005-5,0	248	Nitrothal-isopropyl	0,005-5,0	282	Pirimiphos-ethyl	0,005-5,0
217	Isopropalin	0,005-5,0	249	Norflurazon	0,005-5,0	283	Pirimiphos-methyl	0,005-5,0
218	Isoxadifen-ethyl	0,005-5,0	250	Nuarimol	0,005-5,0	284	Pirimiphos-methyl. N-Desethyl-	0,005-5,0
219	Kresoxim-methyl	0,005-5,0	251	Octachlordipropylether (S 421)	0,005-5,0	285	Procymidone	0,005-5,0
220	Lambda-cyhalothrin (includes gamma-cyhalothrin) (sum of R,S and S,R isomers)	0,005-5,0	252	Ofurace	0,005-5,0	286	Profenophos	0,005-5,0
221	Lenacil	0,005-5,0	253	Oxadiazon	0,005-5,0	287	Profluralin	0,005-5,0
222	Leptophos	0,005-5,0	254	Oxadixyl	0,005-5,0	288	Prometon	0,005-5,0
223	Mecarbam	0,005-5,0	255	Oxycarboxin	0,005-5,0	289	Prometryn	0,005-5,0
224	Mepanipirim	0,005-5,0	256	Oxychlordane (Octachlorepoxyde)	0,005-5,0	290	Propachlor	0,005-5,0
225	Mepanipirim-2-hydroxypropyl	0,005-5,0	257	Oxyfluorfen	0,005-5,0	291	Propazine	0,005-5,0
226	Mepronil	0,005-5,0	258	Parathion-ethyl	0,005-5,0	292	Propetamphos	0,005-5,0
227	Metazachlor	0,005-5,0	259	Parathion-methyl	0,005-5,0	293	Propham	0,005-5,0
228	Metconazole (sum of isomers)	0,005-5,0	260	Pebulate	0,005-5,0	294	Propiconazole (sum of isomers)	0,005-5,0
229	Methacrifos	0,005-5,0	261	Penconazole (sum of isomers)	0,005-5,0	295	Prothioconazole: prothioconazole-desthio (sum of isomers)	0,005-5,0
230	Methidathion	0,005-5,0	262	Pencycuron	0,005-5,0	296	Prothioconazole-desthio	0,005-5,0
231	Methiocarb (sum of methiocarb and methiocarb sulfoxide and sulfone, expressed as methiocarb)	0,005-5,0	263	Pendimethalin	0,005-5,0	297	Pyrazophos	0,005-5,0
			264	Pentachloroaniline	0,005-5,0	298	Pyridaben	0,005-5,0
			265	Pentachloroanisole	0,005-5,0	299	Pyrifenox (sum of isomers)	0,005-5,0



No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]
300	Pyrifluquinazon	0,005-5,0	334	Tolyfluanid	0,005-5,0
301	Pyrimethanil	0,005-5,0	335	Transfluthrin	0,005-5,0
302	Pyrimidifen	0,005-5,0	336	Triadimefon	0,005-5,0
303	Pyriproxyfen	0,005-5,0	337	Triadimenol	0,005-5,0
304	Quinalphos	0,005-5,0	338	Tri-allate	0,005-5,0
305	Quinoxyfen	0,005-5,0	339	Triazamate	0,005-5,0
306	Quintozene	0,005-5,0	340	Triazophos	0,005-5,0
307	Resmethrin (sum of isomers)	0,005-5,0	341	Trichloronate	0,005-5,0
308	Sebuthylazine	0,005-5,0	342	Tricyclazole	0,005-5,0
309	Silaneophan (Silafluofen)	0,005-5,0	343	Trietazine	0,005-5,0
310	Simeconazole	0,005-5,0	344	Trifloxystrobin	0,005-5,0
311	Spiromesifen	0,005-5,0	345	Trifluralin	0,005-5,0
312	Spiroxamine (sum of isomers)	0,005-5,0	346	Uniconazole	0,005-5,0
313	Sulfallate	0,005-5,0	347	Vinclozolin	0,005-5,0
314	Sulfentrazone	0,005-5,0			
315	Sulfotep	0,005-5,0			
316	Tebuconazole	0,005-5,0			
317	Tebufenpyrad	0,005-5,0			
318	Tecnazene	0,005-5,0			
319	Tefluthrin	0,005-5,0			
320	Terbacil	0,005-5,0			
321	Terbufos	0,001-5,0			
322	Terbufos sulfone	0,0025-5,0			
323	Terbuthylazine-desethyl	0,005-5,0			
324	Terbutryn	0,005-5,0			
325	Tetrachlorvinphos	0,005-5,0			
326	Tetraconazole	0,005-5,0			
327	Tetradifon	0,005-5,0			
328	Tetraethyl pyrophosphate (TEPP)	0,005-5,0			
329	Tetrasul	0,005-5,0			
330	Thiobencarb	0,005-5,0			
331	Thiometon	0,005-5,0			
332	Thionazin	0,005-5,0			
333	Tolclofos-methyl	0,005-5,0			

Pesticides - F&V - List XL (LC) ed. V of 09.02.2023

No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]
1	2,4,5-T	0,005-5	31	Atrazine-desisopropyl	0,005-5		Carbofuran (sum of carbofuran (including any carbofuran generated from carbosulfan, benfuracarb or furathiocarb) and 3-OH carbofuran expressed as carbofuran)	0,001-5
2	2,4-D	0,01-5	32	Azimsulfuron	0,005-5	63		
3	2,4-DB	0,01-5	33	Azinphos-ethyl	0,005-5	64	Carbofuran 3-OH	0,001-5
4	3,5-Dichloroaniline	0,005-5	34	Azinphos-methyl	0,005-5	65	Carbosulfan	0,001-5
5	3,5-Xylyl methylcarb (XMC)	0,005-5	35	Aziprotryne	0,005-5	66	Carfentrazone-ethyl	0,005-5
6	4-chlorophenoxyacetic acid (4-CPA)	0,005-5	36	Azoxystrobin	0,005-5	67	Carpropamid	0,005-5
7	Abamectin (Avermectin B1a)	-5,0	37	Barban	0,005-5	68	Chlorantraniliprole	0,005-5
8	Abamectin (sum of avermectin B1a, avermectin B1b and delta-8,9 isomer of avermectin B1a, expressed as avermectin B1a)	-5,0	38	Bendiocarb	0,005-5	69	Chlorbromuron	0,005-1
9	Acephate	0,005-	39	Benfuracarb	0,001-5	70	Chlorfluazuron	0,005-1
10	Acetamiprid	0,005-	40	Benodanil	0,005-5	71	Chloridazon (Pyrazon)	0,005-3
11	Acetochlor	0,005-	41	Benomyl	0,005-5	72	Chlormesulone (Sulcotrione)	0,01-5
12	Acibenzolar acid	0,005-5	42	Bensulfuron-methyl	0,005-3	73	Chlorotoluron	0,005-3
13	Acibenzolar-S-methyl (sum of acibenzolar-S-methyl and acibenzolar acid (free and conjugated), expressed as acibenzolar-S-methyl)	0,005-5	43	Bensulide	0,005-5	74	Chloroxuron	0,005-3
14	Acifluorfen	0,005-	44	Bentazon	0,01-5	75	Chlorsulfuron	0,005-3
15	Alanycarb	0,005-5	45	Bentazone-8-hydroxy	0,01-5	76	Chlorthiamid	0,005-5
16	Aldicarb	0,005-3	46	Benthiavalicarb-isopropyl	0,005-5	77	Chromafenozide	0,005-3
17	Aldicarb (sum of aldicarb, its sulfoxide and its sulfone, expressed as aldicarb)	0,005-3	47	Benzimidazole	0,005-	78	Cinosulfuron	0,005-1
18	Aldicarb sulfone	0,005-3	48	Benzoximate	0,005-	79	Clethodim	0,005-5
19	Aldicarb sulfoxide	0,005-3	49	Bifenazate	0,005-	80	Clethodim (sum of sethoxydim and clethodim including degradation products calculated as sethoxydim)	0,005-5
20	Ametoctradin	0,005-3	50	Bioallethrin	0,005-	81	Climbazole	0,005-3
21	Amidosulfuron	0,005-3	51	Bixafen	0,005-5	82	Clodinafop	0,005-5
22	Aminocarb	0,005-3	52	Boscalid	0,005-3	83	Clofentezine	0,005-5
23	Aminopyralid	0,01-5	53	Bromacil	0,005-3	84	Clopyralid (3,6-dichloropicolinic acid)	0,01-5
24	Amitraz	0,005-3	54	Bromoxynil	0,01-5	85	Cloquintocet	0,005-5
25	Amitraz metabolite BTS 27271 (DMPF)	0,005-5	55	Butocarboxim	0,005-3	86	Clothianidin	0,005-3
26	Amitraz metabolite N-(2,4-dimethylphenyl)formamide (DMF)	0,005-5	56	Butocarboxim sulfoxide	0,005-3	87	Coumaphos	0,005-3
27	Anilazine	0,005-5	57	Buturon	0,005-3	88	Coumoxystrobin	0,005-5
28	Anilofos	0,005-5	58	Carbendazim	0,005-3	89	Crotoxyphos	0,005-1
29	Aramite	0,005-5	59	Carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim)	0,005-3	90	Cyanazine	0,005-3
30	Atrazine-desethyl	0,005-5	60	Carbetamide (sum of carbetamide and its S isomer)	0,005-3	91	Cyantraniliprole	0,005-5
			61	Carbetamide (sum of isomers)	0,005-3	92	Cyazofamid	0,005-3
			62	Carbofuran	0,001-5			

No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]
93	Cyclanilide	0,005-5	127	DNOC	0,005-5	161	Fluazifop-P (sum of isomers)	0,005-3,0
94	Cycloate	0,005-3	128	Dodine	0,01-5	162	Fluazifop-P-methyl	0,005-5
95	Cycloxydim	0,005-3	129	Emamectin benzoate B1a, expressed as emamectin	0,005-5	163	Fluazinam	0,005-3
96	Cyflumetofen	0,005-5	130	Ethametsulfuron - methyl	0,005-5	164	Fluazuron	0,005-3
97	Cymoxanil	0,005-3	131	Ethiofencarb	0,005-5	165	Flubendiamide	0,005-5
98	Cyproconazole	0,005-3	132	Ethiofencarb sulfone	0,005-3	166	Flufenacet	0,005-3
99	Demeton-S	0,005-3	133	Ethiofencarb sulfoxide	0,005-3	167	Flufenoxuron	0,005-3
100	Demeton-S-methyl	0,005-3	134	Ethiprole	0,005-5	168	Fluometuron	0,005-3
101	Demeton-S-methyl sulfone	0,005-3	135	Ethirimol	0,005-3	169	Fluopicolide	0,005-3
102	Demeton-S-methyl sulfoxide (Oxydemeton-methyl)	0,005-3	136	Etozazole	0,005-5	170	Fluopyram	0,005-5
103	Desmedipham	0,005-3	137	Famophos (Famphur)	0,005-5	171	Fluoroglycofen-ethyl	0,005-5
104	Dicamba	0,01-5	138	Famoxadone	0,005-3	172	Fluoxastrobin	0,005-5
105	Dichlofluanid	0,005-5	139	Fenamidone	0,005-3	173	Flupyradifurone	0,005-5
106	Dichlorobenzamide-2,6 (BAM)	0,005-5	140	Fenchlorazol-ethyl	0,005-5	174	Fluroxypyr	0,01-5
107	Dichlorprop (sum of isomers)	0,005-5	141	Fenfuram	0,005-3	175	Fluroxypyr-meptyl	0,01-5
108	Diclofop	0,005-5	142	Fenobucarb	0,005-3	176	Flurtamone	0,005-3
109	Diclofop (sum diclofop - methyl and diclofop acid expressed as diclofop-methyl)	0,005-5	143	Fenoprop (2,4,5-TP)	0,005-5	177	Fluthiacet-methyl	0,005-3
110	Diclofop-methyl	0,005-5	144	Fenoxaprop-ethyl	0,005-3	178	Flutianil	0,005-5
111	Dicrotophos	0,005-3	145	Fenoxycarb	0,005-3	179	Fluxapyroxad	0,005-5
112	Diethyltoluamide (DEET)	0,005-5	146	Fenpyrazamine	0,005-5	180	Fomesafen	0,005-5
113	Difenoconazole	0,005-3	147	Fenpyroximate	0,005-3	181	Foramsulfuron	0,005-5
114	Difenoxyuron	0,005-5	148	Fensulfothion	0,0025-5	182	Forchlorfenuron	0,005-3
115	Diflubenzuron	0,005-1	149	Fensulfothion oxon	0,0025-5	183	Formothion	0,005-5
116	Diflufenican	0,005-3	150	Fensulfothion sulfone	0,0025-5	184	Fosthiazate	0,005-3
117	Dimefox	0,005-3	151	Fenthion	0,005-5	185	Fuberidazole	0,005-3
118	Dimefuron	0,005-3	152	Fenthion oxon	0,005-5	186	Furalaxyl	0,005-3
119	Dimepiperate	0,005-5	153	Fenthion sulfone	0,005-5	187	Furathiocarb	0,001-5
120	Dimethoate	0,005-3	154	Fenthion sulfoxide	0,005-5	188	Halofenozide	0,005-3
121	Dinocap (sum of isomers)	0,005-5	155	Flazasulfuron	0,005-1	189	Halosulfuron-methyl	0,005-5
122	Dinotefuran	0,005-5	156	Flonicamid	0,01-1	190	Haloxypop	0,0025-5
123	Dipropetryn	0,005-5	157	Flonicamid (sum of flonicamid, TFNA and TFNG expressed as flonicamid)	0,01-3	191	Haloxypop (sum of haloxypop, its esters, salts and conjugates expressed as haloxypop (sum of the R- and S- isomers at any ratio))	0,0025-5
124	Dithianon	0,01-5	158	Flonicamid metabolite TFNA	0,01-3	192	Haloxypop-2-ethoxyethyl	0,0025-5
125	Diuron	0,005-1	159	Flonicamid metabolite TFNG	0,01-3	193	Haloxypop-methyl	0,0025-5
126	DMST	0,005-5	160	Florasulam	0,005-5			

No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]
194	Hexaflumuron	0,005-5	228	Mesosulfuron-methyl	0,005-5	261	Oxasulfuron	0,005-5
195	Hexythiazox	0,005-3	229	Mesotrione	0,01-5	262	Oxaziclomefone	0,005-5
196	Icaridin (Picaridin)	0,005-5	230	Metaflumizone (sum of isomers)	0,005-3	263	Oxfendazole	0,005-5
197	Imazamox (sum of isomers)	0,005-5	231	Metaxyl and metaxyl-M (sum of isomers)	0,005-5	264	Paclobutrazol	0,005-3
198	Imazapyr	0,005-5	232	Metamitron	0,005-3	265	Paraoxon-ethyl	0,005-3
199	Imazaquin	0,005-5	233	Methabenzthiazuron	0,005-3	266	Paraoxon-methyl	0,005-3
200	Imazethapyr	0,005-5	234	Methamidophos	0,005-1	267	Penflufen	0,005-5
201	Imazosulfuron	0,005-5	235	Methfuroxam	0,005-5	268	Penoxsulam	0,005-5
202	Imibenconazole	0,005-5	236	Methiocarb sulfoxide	0,005-5	269	Penthiopyrad	0,005-5
203	Imidacloprid	0,005-3	237	Methomyl	0,005-3	270	Pethoxamid	0,005-5
204	Indaziflam	0,005-5	238	Methoxyfenozide	0,005-3	271	Phenmedipham	0,005-5
205	Indoxacarb (sum of isomers)	0,005-3	239	Metobromuron	0,005-5	272	Phenthoate	0,005-3
206	Iodosulfuron-methyl	0,005-1	240	Metolcarb	0,005-3	273	Phorate sulfoxide	0,005-5
207	Ioxynil	0,005-3	241	Metosulam	0,005-3	274	Phosmet	0,005-5
208	Iprovalicarb	0,005-3	242	Metoxuron	0,005-3	275	Phosmet oxon	0,005-5
209	Isofenphos-methyl	0,005-3	243	Metrafenone	0,005-3	276	Phosphamidon (sum of isomers)	0,005-3
210	Isoprocab	0,005-3	244	Metsulfuron-methyl	0,005-1	277	Picloram	0,01-5
211	Isoprothiolane	0,005-3	245	Milbemectin (sum of milbemycin A4 and milbemycin A3, expressed as milbemectin)	0,005-3	278	Picolinafen	0,005-5
212	Isopyrazam	0,005-5	246	Milbemectin A3	0,005-3	279	Pinoxaden	0,005-5
213	Isoxaben	0,005-3	247	Milbemectin A4	0,005-3	280	Pirimicarb-desmethyl-formamido	0,005-5
214	Isoxaflutole	0,005-3	248	Monocrotophos	0,005-5	281	Primisulfuron-methyl	0,005-3
215	Isoxathion	0,005-3	249	Monolinuron	0,005-5	282	Prochloraz	0,005-3
216	Lactofen	0,005-5	250	Monuron	0,005-3	283	Prochloraz (sum of prochloraz, BTS 44595 (M201-04) and BTS 44596 (M201-03), expressed as prochloraz)	0,005-3
217	Linuron	0,005-5	251	N,N-dimethylsulfamide	0,005-5	284	Prochloraz metabolite BTS40348	0,005-5
218	Malaoxon	0,005-3	252	Napropamide	0,005-3	285	Prochloraz metabolite BTS44595	0,005-5
219	Malathion	0,005-3	253	Neburon	0,005-5	286	Prochloraz metabolite BTS44596	0,005-5
220	Malathion (sum of malathion and malaoxon expressed as malathion)	0,005-3	254	Nicosulfuron	0,005-3	287	Promecarb	0,005-3
221	Mandipropamid	0,005-3	255	Nitenpyram	0,005-5	288	Propachlor OA	0,005-5
222	Matrine	0,005-5	256	Novaluron	0,01-5	289	Propamocarb	0,005-5
223	MCPA	0,01-5	257	Omethoate	0,003-3	290	Propamocarb (Sum of propamocarb and its salts, expressed as propamocarb)	0,005-5
224	MCPB	0,01-5	258	Oryzalin	0,005-5	291	Propanil	0,005-5
225	Mecoprop (sum of isomers)	0,01-5	259	Oxamyl	0,005-5	292	Propaquizafop	0,005-5
226	Mefenpyr-diethyl	0,005-3	260	Oxamyl-oxim	0,005-5	293	Propargite	0,005-3
227	Meptyldinocap	0,005-5						

No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]	No.	Compound	Range [mg/kg]
294	Propoxycarbazone	0,005-5	327	Sodium 5-nitroguaiacolate	0,005-5	361	Thiophanate-methyl	0,01-3
295	Propyzamide	0,005-3	328	Spinetoram	0,005-5	362	Tolfenpyrad	0,005-5
296	Proquinazid	0,005-3	329	Spinosad (spinosad, sum of spinosyn A and spinosyn D)	0,005-3	363	Tralkoxydim (sum of isomers)	0,005-3
297	Prosulfocarb	0,005-3	330	Spinosyn A	0,005-3	364	Triasulfuron	0,005-1
298	Prosulfuron	0,005-1	331	Spinosyn D	0,005-3	365	Tribenuron-methyl	0,005-5
299	Pymetrozine	0,005-3	332	Spirodiclofen	0,005-3	366	Tribufos (DEF)	0,005-5
300	Pyraclofos	0,005-3	333	Spirotetramat	0,005-5	367	Trichlorfon	0,005-5
301	Pyraclostrobin	0,005-3	334	Spirotetramat and spirotetramat-enol (sum of), expressed as spirotetramat	0,005-5	368	Triclopyr	0,005-5
302	Pyraflufen-ethyl	0,005-5	335	Spirotetramat-enol	0,005-5	369	Tridemorph	0,005-5
303	Pyraflufen-ethyl (Sum of pyraflufen-ethyl and pyraflufen, expressed as pyraflufen-ethyl)	0,005-5	336	Spirotetramat-enolglucosid	0,005-5,0	370	Trifloxysulfuron	0,005-5
304	Pyrasulfotole	0,005-5	337	Spirotetramat-ketohydroxy	-5,0	371	Triflumizole	0,005-5
305	Pyrethrins - Cinerini I	0,005-5	338	Spirotetramat-monohydroxy	0,005-5	372	Triflumizole-amino	0,005-5
306	Pyrethrins - Cinerini II	0,005-5	339	Sulfosulfuron	0,005-1	373	Triflumurion	0,005-3
307	Pyrethrins - Jasmolin I	0,005-5	340	Sulfoxafloor	0,005-5	374	Triflusulfuron-methyl	0,005-5
308	Pyrethrins - Jasmolin II	0,005-5	341	Sulprofos	0,005-5	375	Triforine	0,005-5
309	Pyrethrins - Pyrethrin I	0,005-5	342	Tebufenozide	0,005-5	376	Trinexapac-ethyl	0,005-3
310	Pyrethrins - Pyrethrin II	0,005-5	343	Teflubenzuron	0,005-1	377	Triticonazole	0,005-3
311	Pyridaphenthion	0,005-3	344	Tembotrion	0,005-5	378	Tritosulfuron	0,01-5
312	Pyridate	0,005-5	345	Temephos	0,005-3	379	Valifenalate	0,005-5
313	Pyroxsulam	0,005-5	346	Tepraloxym	0,005-3	380	Vamidothion	0,005-3
314	Quinclorac	0,005-5	347	Terbufos sulfoxide	0,0025-5	381	Vamidothion sulfone	0,005-5
315	Quinmerac	0,005-5	348	Terbumeton	0,005-3	382	Vamidothion sulfoxide	0,005-5
316	Quinoclamine	0,005-5	349	Terbutylazine	0,005-3	383	Xyllycarb	0,005-5
317	Quizalofop (sum of isomers)	0,005-5	350	Tetramethrin (sum of isomers)	0,005-3	384	Zoxamide	0,005-3
318	Quizalofop-p-ethyl	0,005-5	351	Thiabendazole	0,005-3			
319	Quizalofop-p-tefuryl	0,005-5	352	Thiacloprid	0,005-3			
320	Rimsulfuron	0,005-5	353	Thiamethoxam	0,005-1			
321	Saflufenacil	0,005-5	354	Thifensulfuron-methyl	0,005-1			
322	Secbumeton	0,005-3	355	Thiocylam hydrogenoxaolate	0,005-5			
323	Sethoxydim	0,005-5	356	Thiodicarb	0,005-3			
324	Silthiofam	0,005-3	357	Thiofanox	0,005-1			
325	Simazine	0,005-5	358	Thiofanox sulfone	0,005-5			
326	Simetryn	0,005-3	359	Thiofanox sulfoxide	0,005-3			
			360	Thiophanate (-ethyl)	0,005-5			



HAMILTON



AB 079

TEST REPORT NO 152427/23/POZ

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



HAMILTON

FOSFA
INTERNATIONAL



AB 079

TEST REPORT NO 152427/23/POZ