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Test certificate ML: 3902/19

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Client: Empower Company s.r.o.
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Sample received: 30.10.2019
 Order no.: 30.10.19
 Sample description (client's): Mladý ječmen BIO Nupreme
 šarže 72785; Země původu USA

Testing item: young barley extract
 packaging: polyethylene bag (PE)
 quantity: 150 g

Date of testing: 30.10.2019 - 18.11.2019
 Location of testing: facilities of the MZL UTC, Technická 1903/3, 166 28 Prague 6 - Dejvice
 Testing methods used: KM 01: GC-MS(EN 15662)
 KM 02 : LC-MS/MS(EN 15662)

TEST RESULTS:
PESTICIDE RESIDUES

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
avermectin B1a	<0.020	-	mg/kg	KM 02	
abamectin (sum of avermectin B1a, avermectin B1b expressed as avermectin B1a)	<0.040	-	mg/kg	KM 02	
avermectin B1b	<0.020	-	mg/kg	KM 02	
acephate	<0.010	-	mg/kg	KM 02	
acetamiprid	<0.010	-	mg/kg	KM 02	
acetochlor	<0.020	-	mg/kg	KM 02	
aclonifen	<0.020	-	mg/kg	KM 02	
acrinathrin and its enantiomer	<0.020	-	mg/kg	KM 02	
alachlor	<0.020	-	mg/kg	KM 02	
aldicarb	<0.020	-	mg/kg	KM 02	
aldicarb (sum of aldicarb, its sulfoxide and its sulfone, expressed as aldicarb)	<0.040	-	mg/kg	KM 02	
aldicarb-sulfone	<0.010	-	mg/kg	KM 02	
aldicarb-sulfoxide	<0.010	-	mg/kg	KM 02	
aldrin	<0.005	-	mg/kg	KM 01	
aldrin and dieldrin (aldrin and dieldrin combined expressed as dieldrin)	<0.008	-	mg/kg	KM 01	
ametotradin	<0.010	-	mg/kg	KM 02	
ametryn	<0.010	-	mg/kg	KM 02	
anthraquinone	<0.020	-	mg/kg	KM 01	
asulam	<0.010	-	mg/kg	KM 02	
atrazine	<0.010	-	mg/kg	KM 02	
azadirachtin	<0.050	-	mg/kg	KM 02	
azinphos-ethyl	<0.003	-	mg/kg	KM 01	
azinphos-methyl	<0.010	-	mg/kg	KM 01	
azoxystrobin	<0.005	-	mg/kg	KM 01	

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
benalaxyl including other mixtures of constituent isomers including benalaxyl-M (sum of isomers)	<0.010	-	mg/kg	KM 02	
bendiocarb	<0.010	-	mg/kg	KM 02	
benzalkonium chloride (mixture of alkylbenzyltrimethylammonium chlorides with alkyl chain lengths of C8, C10, C12, C14, C16 and C18)	<0.060	-	mg/kg	KM 02	
benzalkonium chloride with alkyl chain lengths of C8	<0.010	-	mg/kg	KM 02	
benzalkonium chloride with alkyl chain lengths of C10	<0.010	-	mg/kg	KM 02	
benzalkonium chloride with alkyl chain lengths of C12	<0.010	-	mg/kg	KM 02	
benzalkonium chloride with alkyl chain lengths of C14	<0.010	-	mg/kg	KM 02	
benzalkonium chloride with alkyl chain lengths of C16	<0.010	-	mg/kg	KM 02	
benzalkonium chloride with alkyl chain lengths of C18	<0.010	-	mg/kg	KM 02	
benzovindiflupyr	<0.020	-	mg/kg	KM 02	
bifenthrin (sum of isomers)	<0.005	-	mg/kg	KM 01	
bitertanol (sum of isomers)	<0.020	-	mg/kg	KM 02	
bixafen	<0.010	-	mg/kg	KM 02	
boscalid	<0.010	-	mg/kg	KM 02	
bromacil	<0.010	-	mg/kg	KM 02	
bromophos-ethyl	<0.010	-	mg/kg	KM 01	
bromophos-methyl	<0.001	-	mg/kg	KM 01	
bromopropylate	<0.001	-	mg/kg	KM 01	
bromuconazole (sum of diastereoisomers)	<0.020	-	mg/kg	KM 02	
bupirimate	<0.001	-	mg/kg	KM 01	
buprofezin	<0.010	-	mg/kg	KM 02	
cadusafos	<0.010	-	mg/kg	KM 02	
carbaryl	<0.010	-	mg/kg	KM 02	
carbendazim	<0.010	-	mg/kg	KM 02	
carbendazim and benomyl (sum of benomyl and carbendazim expressed as carbendazim)	<0.010	-	mg/kg	KM 02	
carbofuran (sum of carbofuran (including any carbofuran generated from carbosulfan, benfuracarb or furathiocarb) and 3-OH carbofuran expressed as carbofuran)	<0.020	-	mg/kg	KM 02	
carbofuran	<0.010	-	mg/kg	KM 02	
carbofuran 3-hydroxy	<0.010	-	mg/kg	KM 02	
carbophenothion	<0.010	-	mg/kg	KM 01	
chinomethionat (aka quinomethionate)	<0.001	-	mg/kg	KM 01	
chlordaniliprole (DPX E-2Y45)	<0.020	-	mg/kg	KM 02	
chlorbufam	<0.20	-	mg/kg	KM 02	
chlordane (sum of cis- and trans-chlordane)	<0.010	-	mg/kg	KM 01	
chlordane, cis-isomer	<0.003	-	mg/kg	KM 01	
chlordane, trans-isomer	<0.005	-	mg/kg	KM 01	
chlorfenapyr	<0.003	-	mg/kg	KM 01	
chlorfenvinphos	<0.003	-	mg/kg	KM 01	
chlorfluazuron	<0.010	-	mg/kg	KM 02	
chloridazon	<0.010	-	mg/kg	KM 02	
chlorobenzilate	<0.001	-	mg/kg	KM 01	
chlorothalonil	<0.005	-	mg/kg	KM 01	
chlorotoluron	<0.010	-	mg/kg	KM 02	
chloroxuron	<0.010	-	mg/kg	KM 02	
chlorpropham	<0.10	-	mg/kg	KM 02	
chlorpyrifos	<0.005	-	mg/kg	KM 01	
chlorpyrifos-methyl	<0.005	-	mg/kg	KM 01	
chlorsulfuron	<0.020	-	mg/kg	KM 02	
chlozolinate	<0.010	-	mg/kg	KM 01	
clofentezine	<0.010	-	mg/kg	KM 02	
clomazone	<0.010	-	mg/kg	KM 02	
clothianidin	<0.020	-	mg/kg	KM 02	
cyanazine	<0.010	-	mg/kg	KM 02	
cyazofamid	<0.010	-	mg/kg	KM 02	
cyflufenamid: sum of cyflufenamid (Z-isomer) and its E-isomer	<0.010	-	mg/kg	KM 02	
cyfluthrin, beta-isomer	<0.005	-	mg/kg	KM 01	

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
cyhalofop-butyl	<0.020	-	mg/kg	KM 02	
cymoxanil	<0.010	-	mg/kg	KM 02	
cypermethrin (cypermethrin including other mixtures of constituent isomers (sum of isomers))	<0.005	-	mg/kg	KM 01	
cyphenothrin	<0.050	-	mg/kg	KM 02	
cyproconazole	<0.020	-	mg/kg	KM 02	
cyprodinil	<0.003	-	mg/kg	KM 01	
DDT (sum of p,p'-DDT, o,p'-DDT, p-p'-DDE and p,p'-TDE (DDD) expressed as DDT)	<0.050	-	mg/kg	KM 01	
DDD, o,p'-isomer	<0.001	-	mg/kg	KM 01	
DDD (TDE), p,p'-isomer	<0.001	-	mg/kg	KM 01	
DDE, o,p'-isomer	<0.001	-	mg/kg	KM 01	
DDE, p-p'-isomer	<0.001	-	mg/kg	KM 01	
DDT, o,p'-isomer	<0.001	-	mg/kg	KM 01	
DDT, p,p'-isomer	<0.050	-	mg/kg	KM 01	
DEET	<0.020	-	mg/kg	KM 02	
deltamethrin (cis-deltamethrin)	<0.010	-	mg/kg	KM 01	
demeton-S-methyl	<0.010	-	mg/kg	KM 02	
desmedipham	<0.010	-	mg/kg	KM 02	
desmetryn	<0.010	-	mg/kg	KM 02	
diafenthuron	<0.10	-	mg/kg	KM 02	
diazinon	<0.003	-	mg/kg	KM 01	
dichlobenil	<0.001	-	mg/kg	KM 01	
dichlofluanid	<0.010	-	mg/kg	KM 01	
dichlofluanid metabolite: DMSA	<0.010	-	mg/kg	KM 02	
dichlormid	<0.010	-	mg/kg	KM 02	
dichlorvos	<0.001	-	mg/kg	KM 01	
diclofop-methyl	<0.005	-	mg/kg	KM 01	
dicloran	<0.005	-	mg/kg	KM 01	
dicrotophos	<0.010	-	mg/kg	KM 02	
didecyltrimethylammonium chloride with alkyl chain lengths of C10	<0.010	-	mg/kg	KM 02	
dieldrin	<0.003	-	mg/kg	KM 01	
diethofencarb	<0.010	-	mg/kg	KM 02	
difenoconazole	<0.005	-	mg/kg	KM 01	
diflubenzuron	<0.020	-	mg/kg	KM 02	
diflufenican	<0.020	-	mg/kg	KM 02	
dimethachlor	<0.010	-	mg/kg	KM 02	
dimethenamid	<0.010	-	mg/kg	KM 02	
dimethoate	<0.010	-	mg/kg	KM 02	
dimethomorph (sum of isomers)	<0.010	-	mg/kg	KM 02	
dimoxystrobin	<0.010	-	mg/kg	KM 02	
diniconazole (sum of isomers)	<0.010	-	mg/kg	KM 02	
dinotefuran	<0.020	-	mg/kg	KM 02	
diphenylamine	<1.0	-	mg/kg	KM 01	
disulfoton (sum of disulfoton, disulfoton sulfoxide and disulfoton sulfone expressed as disulfoton)	<0.040	-	mg/kg	KM 02	
disulfoton	<0.020	-	mg/kg	KM 02	
disulfoton-sulfone	<0.010	-	mg/kg	KM 02	
disulfoton-sulfoxide	<0.010	-	mg/kg	KM 02	
diuron	<0.020	-	mg/kg	KM 02	
dodine	<0.020	-	mg/kg	KM 02	
empenthrin	<0.010	-	mg/kg	KM 02	
endosulfan (sum of alpha- and beta-isomers and endosulfan-sulphate expressed as endosulfan)	<0.025	-	mg/kg	KM 01	
endosulfan alpha-isomer	<0.010	-	mg/kg	KM 01	
endosulfan beta-isomer	<0.010	-	mg/kg	KM 01	
endosulfan-sulphate	<0.003	-	mg/kg	KM 01	
EPN	<0.050	-	mg/kg	KM 02	
endrin	<0.005	-	mg/kg	KM 01	
epoxiconazole	<0.010	-	mg/kg	KM 02	
ethametsulfuron-methyl	<0.010	-	mg/kg	KM 02	

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
ethiofencarb	<0.010	-	mg/kg	KM 02	
ethion	<0.003	-	mg/kg	KM 01	
ethirimol	<0.010	-	mg/kg	KM 02	
ethofumesate	<0.010	-	mg/kg	KM 02	
ethoprophos	<0.001	-	mg/kg	KM 01	
etofenprox	<0.010	-	mg/kg	KM 02	
etoxazole	<0.010	-	mg/kg	KM 02	
etrimfos	<0.003	-	mg/kg	KM 01	
famoxadone	<0.002	-	mg/kg	KM 02	
fenamidone	<0.001	-	mg/kg	KM 01	
fenamiphos (sum of fenamiphos and its sulphoxide and sulphone expressed as fenamiphos)	<0.030	-	mg/kg	KM 02	
fenamiphos	<0.010	-	mg/kg	KM 02	
fenamiphos-sulfone	<0.010	-	mg/kg	KM 02	
fenamiphos-sulfoxide	<0.010	-	mg/kg	KM 02	
fenarimol	<0.001	-	mg/kg	KM 01	
fenazaguin	<0.010	-	mg/kg	KM 02	
fenbuconazole	<0.010	-	mg/kg	KM 02	
fenbutatin oxide	<0.020	-	mg/kg	KM 02	
fenchlorphos	<0.010	-	mg/kg	KM 01	
fenhexamid	<0.020	-	mg/kg	KM 02	
fenitrothion	<0.001	-	mg/kg	KM 01	
fenoxaprop - P	<0.050	-	mg/kg	KM 02	
fenoxaprop-P-ethyl	<0.010	-	mg/kg	KM 02	
fenoxycarb	<0.005	-	mg/kg	KM 01	
fenpropathrin	<0.020	-	mg/kg	KM 02	
fenpropidin (sum of fenpropidin and its salts, expressed as fenpropidin)	<0.010	-	mg/kg	KM 02	
fenpropimorph (sum of isomers)	<0.010	-	mg/kg	KM 02	
fenpyrazamine	<0.010	-	mg/kg	KM 02	
fenpyroximate	<0.010	-	mg/kg	KM 02	
fensulfothion	<0.010	-	mg/kg	KM 02	
fensulfothion oxon	<0.010	-	mg/kg	KM 02	
fensulfothion PO-sulfone	<0.010	-	mg/kg	KM 02	
fensulfothion sulfone	<0.010	-	mg/kg	KM 02	
fenthion	<0.020	-	mg/kg	KM 02	
fenthion (fenthion and its oxigen analogue, their sulfoxides and sulfone expressed as parent)	<0.070	-	mg/kg	KM 02	
fenthion-oxon	<0.010	-	mg/kg	KM 02	
fenthion-oxon-sulfone	<0.010	-	mg/kg	KM 02	
fenthion-oxon-sulfoxide	<0.010	-	mg/kg	KM 02	
fenthion-sulfone	<0.010	-	mg/kg	KM 02	
fenthion-sulfoxide	<0.010	-	mg/kg	KM 02	
fenvalerate (any ratio of constituent isomers (RR, SS, RS & SR))	<0.005	-	mg/kg	KM 01	
fipronil	<0.020	-	mg/kg	KM 02	
flonicamid	<0.020	-	mg/kg	KM 02	
florasulam	<0.010	-	mg/kg	KM 02	
fluacrypyrim	<0.010	-	mg/kg	KM 02	
fluazifop	<0.020	-	mg/kg	KM 02	
fluazifop-P (sum of all the constituent isomers of fluazifop, its esters and its conjugates, expressed as fluazifop)	<0.020	-	mg/kg	KM 02	
fluazifop-P-butyl	<0.010	-	mg/kg	KM 02	
flucythrinate	<0.003	-	mg/kg	KM 01	
fludioxonil	<0.003	-	mg/kg	KM 01	
fluensulfon	<0.10	-	mg/kg	KM 02	
flufenacet	<0.010	-	mg/kg	KM 02	
flufenoxuron	<0.010	-	mg/kg	KM 02	
flumioxazine	<0.020	-	mg/kg	KM 02	
fluopicolide	<0.010	-	mg/kg	KM 02	
fluopyram	<0.010	-	mg/kg	KM 02	
fluoxastrobin (sum of fluoxastrobin and its Z-isomer)	<0.010	-	mg/kg	KM 02	

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
fluquinconazole	<0.004	-	mg/kg	KM 02	
flurochloridone	<0.010	-	mg/kg	KM 02	
fluroxypyr	<0.050	-	mg/kg	KM 02	
fluroxypyr (sum of fluroxypyr, its salts, its esters, and its conjugates, expressed as fluroxypyr)	<0.050	-	mg/kg	KM 02	
flusilazole	<0.010	-	mg/kg	KM 02	
flutolanil	<0.020	-	mg/kg	KM 02	
flutriafol	<0.020	-	mg/kg	KM 02	
fluxapyroxad	<0.010	-	mg/kg	KM 02	
fonofos	<0.003	-	mg/kg	KM 01	
foramsulfuron	<0.020	-	mg/kg	KM 02	
formetanate: sum of formetanate and its salts expressed as formetanate(hydrochloride)	<0.010	-	mg/kg	KM 02	
formothion	<0.020	-	mg/kg	KM 02	
fosthiazate	<0.010	-	mg/kg	KM 02	
furathiocarb	<0.010	-	mg/kg	KM 02	
haloxyfop	<0.020	-	mg/kg	KM 02	
haloxyfop (sum of haloxyfop, its esters, salts and conjugates expressed as haloxyfop (sum of the R- and S- isomers at any ratio))	<0.020	-	mg/kg	KM 02	
haloxyfop-ethoxyethyl	<0.010	-	mg/kg	KM 02	
haloxyfop-methyl	<0.010	-	mg/kg	KM 02	
heptachlor	<0.005	-	mg/kg	KM 01	
heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)	<0.055	-	mg/kg	KM 01	
heptachlorepoide cis	<0.025	-	mg/kg	KM 01	
heptachlorepoide trans	<0.025	-	mg/kg	KM 01	
heptenophos	<0.001	-	mg/kg	KM 01	
hexachlorobenzene	<0.001	-	mg/kg	KM 01	
hexachlorocyclohexane (HCH), alpha-isomer	<0.003	-	mg/kg	KM 01	
hexachlorocyclohexane (HCH), beta-isomer	<0.005	-	mg/kg	KM 01	
hexachlorocyclohexane (HCH), delta-isomer	<0.003	-	mg/kg	KM 01	
hexaconazole	<0.020	-	mg/kg	KM 02	
hexazinone	<0.010	-	mg/kg	KM 02	
hexythiazox	<0.010	-	mg/kg	KM 02	
imazalil	<0.010	-	mg/kg	KM 02	
imazamethabenz-methyl	<0.010	-	mg/kg	KM 02	
imazamox (sum of imazamox and its salts, expressed as imazamox)	<0.020	-	mg/kg	KM 02	
imazapyr	<0.010	-	mg/kg	KM 02	
imazaquin	<0.020	-	mg/kg	KM 02	
imazethapyr	<0.010	-	mg/kg	KM 02	
imazosulfuron	<0.020	-	mg/kg	KM 02	
imidacloprid	<0.010	-	mg/kg	KM 02	
indoxacarb (sum of indoxacarb and its R enantiomer)	<0.020	-	mg/kg	KM 02	
iodosulfuron-methyl (sum of iodosulfuron-methyl and its salts, expressed as iodosulfuron-methyl)	<0.020	-	mg/kg	KM 02	
iprodione	<0.005	-	mg/kg	KM 01	
iprovalicarb	<0.010	-	mg/kg	KM 02	
isocarbophos (ISO: isopropyl O-(methoxyaminothiophosphoryl)salicylate)	<0.50	-	mg/kg	KM 02	
isofenphos	<0.005	-	mg/kg	KM 01	
isofenphos-methyl	<0.010	-	mg/kg	KM 01	
isoprocarb	<0.020	-	mg/kg	KM 02	
isoprothiolane	<0.010	-	mg/kg	KM 02	
isoproturon	<0.010	-	mg/kg	KM 02	
isopyrazam	<0.010	-	mg/kg	KM 02	
kresoxim-methyl	<0.001	-	mg/kg	KM 01	
lambda-cyhalothrin (includes gamma-cyhalothrin) (sum of R, S and S,R isomers)	<0.003	-	mg/kg	KM 01	
lenacil	<0.010	-	mg/kg	KM 02	
lindane (gamma-isomer of hexachlorocyclohexane (HCH))	<0.003	-	mg/kg	KM 01	

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
linuron	<0.010	-	mg/kg	KM 02	
lufenuron (any ratio of constituent isomers)	<0.020	-	mg/kg	KM 02	
malathion (sum of malathion and malaoxon expressed as malathion)	<0.020	-	mg/kg	KM 02	
malaoxon	<0.010	-	mg/kg	KM 02	
malathion	<0.010	-	mg/kg	KM 02	
mandipropamid	<0.010	-	mg/kg	KM 02	
mecarbam	<0.010	-	mg/kg	KM 02	
mefenpyr-diethyl	<0.010	-	mg/kg	KM 02	
mepanipyrim	<0.010	-	mg/kg	KM 02	
mepanipyrim-2-hydroxypropyl	<0.010	-	mg/kg	KM 02	
mepronil	<0.010	-	mg/kg	KM 02	
metaflumizone (sum of E- and Z- isomers)	<0.020	-	mg/kg	KM 02	
metalaxyl including other mixtures of constituent isomers including metalaxyl-M (sum of isomers)	<0.010	-	mg/kg	KM 02	
metamitron	<0.010	-	mg/kg	KM 02	
metamitron-desamino	<0.010	-	mg/kg	KM 02	
metazachlor	<0.005	-	mg/kg	KM 01	
metconazole (sum of isomers)	<0.010	-	mg/kg	KM 02	
methacrifos	<0.001	-	mg/kg	KM 01	
methamidophos	<0.005	-	mg/kg	KM 01	
methidathion	<0.010	-	mg/kg	KM 02	
methiocarb (sum of methiocarb and methiocarb sulfoxide and sulfone, expressed as methiocarb)	<0.030	-	mg/kg	KM 02	
methiocarb	<0.010	-	mg/kg	KM 02	
methiocarb-sulfone	<0.010	-	mg/kg	KM 02	
methiocarb-sulfoxide	<0.010	-	mg/kg	KM 02	
methomyl	<0.020	-	mg/kg	KM 02	
methoxychlor	<0.025	-	mg/kg	KM 01	
methoxyfenozide	<0.010	-	mg/kg	KM 02	
metobromuron	<0.010	-	mg/kg	KM 02	
metolachlor	<0.010	-	mg/kg	KM 02	
metolcarb	<0.020	-	mg/kg	KM 02	
metominostrobin	<0.010	-	mg/kg	KM 02	
metosulam	<0.010	-	mg/kg	KM 02	
metoxuron	<0.010	-	mg/kg	KM 02	
metrafenone	<0.010	-	mg/kg	KM 02	
metribuzin	<0.020	-	mg/kg	KM 02	
metsulfuron-methyl	<0.020	-	mg/kg	KM 02	
mevinphos (sum of E- and Z-isomers)	<0.020	-	mg/kg	KM 02	
monocrotophos	<0.010	-	mg/kg	KM 02	
monolinuron	<0.010	-	mg/kg	KM 02	
monuron	<0.020	-	mg/kg	KM 02	
myclobutanil	<0.003	-	mg/kg	KM 01	
naled	<0.020	-	mg/kg	KM 02	
napropamide	<0.010	-	mg/kg	KM 02	
neburon	<0.010	-	mg/kg	KM 02	
nicosulfuron	<0.020	-	mg/kg	KM 02	
nitenpyram	<0.010	-	mg/kg	KM 02	
nitrofen	<0.003	-	mg/kg	KM 01	
norflurazon	<0.010	-	mg/kg	KM 02	
novaluron	<0.010	-	mg/kg	KM 02	
nuarimol	<0.003	-	mg/kg	KM 01	
omethoate	<0.010	-	mg/kg	KM 02	
orthosulfamuron	<0.010	-	mg/kg	KM 02	
oxadiargyl	<0.010	-	mg/kg	KM 02	
oxadixyl	<0.010	-	mg/kg	KM 02	
oxamyl	<0.010	-	mg/kg	KM 02	
oxamyl-oxime	<0.010	-	mg/kg	KM 02	
oxasulfuron	<0.010	-	mg/kg	KM 02	
oxychlorane	<0.025	-	mg/kg	KM 01	

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
oxydemeton-methyl (sum of oxydemeton-methyl and demeton-S-methylsulfone expressed as oxydemeton-methyl)	<0.020	-	mg/kg	KM 02	
oxydemeton-methyl	<0.010	-	mg/kg	KM 02	
oxydemeton-methyl metabolite: demeton-S-methylsulfone	<0.010	-	mg/kg	KM 02	
oxyfluorfen	<0.025	-	mg/kg	KM 01	
paclobutrazol (sum of constituent isomers)	<0.010	-	mg/kg	KM 02	
parathion	<0.010	-	mg/kg	KM 01	
paraoxon-ethyl	<0.10	-	mg/kg	KM 01	
parathion-methyl	<0.025	-	mg/kg	KM 01	
penconazole (sum of constituent isomers)	<0.005	-	mg/kg	KM 01	
pencycuron	<0.010	-	mg/kg	KM 02	
pendimethalin	<0.010	-	mg/kg	KM 01	
penflufen	<0.010	-	mg/kg	KM 02	
penoxsulam	<0.010	-	mg/kg	KM 02	
pentiopyrad	<0.010	-	mg/kg	KM 02	
permethrin (sum of isomers)	<0.005	-	mg/kg	KM 01	
pethoxamid	<0.010	-	mg/kg	KM 02	
phenmedipham	<0.010	-	mg/kg	KM 02	
phenothrin (phenothrin including other mixtures of constituent isomers (sum of isomers))	<0.010	-	mg/kg	KM 02	
phenthoate	<0.004	-	mg/kg	KM 01	
phorate (sum of phorate, its oxygen analogue and their sulfones expressed as phorate)	<0.070	-	mg/kg	KM 02	
phorate	<0.020	-	mg/kg	KM 02	
phorate-oxon	<0.010	-	mg/kg	KM 02	
phorate-oxonsulfone	<0.010	-	mg/kg	KM 02	
phorate-oxonsulfoxide	<0.010	-	mg/kg	KM 02	
phorate-sulfone	<0.010	-	mg/kg	KM 02	
phorate-sulfoxide	<0.010	-	mg/kg	KM 02	
phosalone	<0.001	-	mg/kg	KM 01	
phosmet (phosmet and phosmet oxon expressed as phosmet)	<0.020	-	mg/kg	KM 02	
phosmet	<0.010	-	mg/kg	KM 02	
phosmet oxon	<0.010	-	mg/kg	KM 02	
phosphamidon	<0.010	-	mg/kg	KM 02	
phoxim	<0.010	-	mg/kg	KM 02	
picloram	<0.050	-	mg/kg	KM 02	
picolinafen	<0.010	-	mg/kg	KM 02	
picoxystrobin	<0.010	-	mg/kg	KM 02	
pinoxaden	<0.010	-	mg/kg	KM 02	
piperonyl butoxide	<0.010	-	mg/kg	KM 02	
pirimicarb	<0.010	-	mg/kg	KM 02	
pirimicarb desmethyl	<0.010	-	mg/kg	KM 02	
pirimiphos-ethyl	<0.003	-	mg/kg	KM 01	
pirimiphos-methyl	<0.003	-	mg/kg	KM 01	
prochloraz (sum of prochloraz and its metabolites expressed as prochloraz)	<0.040	-	mg/kg	KM 02	
prochloraz	<0.010	-	mg/kg	KM 02	
prochloraz metabolite: (BTS 44595)	<0.010	-	mg/kg	KM 02	
prochloraz metabolite: (BTS 44596)	<0.020	-	mg/kg	KM 02	
procymidone	<0.003	-	mg/kg	KM 01	
profenofos	<0.005	-	mg/kg	KM 01	
prometon	<0.010	-	mg/kg	KM 02	
prometryn	<0.010	-	mg/kg	KM 02	
propachlor	<0.010	-	mg/kg	KM 02	
propamocarb (sum of propamocarb and its salts, expressed as propamocarb)	<0.010	-	mg/kg	KM 02	
propaquizafop	<0.004	-	mg/kg	KM 02	
propargite	<0.005	-	mg/kg	KM 01	
propazine	<0.010	-	mg/kg	KM 02	
propham	<0.010	-	mg/kg	KM 01	

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
propiconazole (sum of isomers)	<0.020	-	mg/kg	KM 02	
propoxur	<0.010	-	mg/kg	KM 02	
propoxycarbazono	<0.008	-	mg/kg	KM 02	
propyzamide	<0.010	-	mg/kg	KM 02	
proquinazid	<0.010	-	mg/kg	KM 02	
prosulfocarb	<0.010	-	mg/kg	KM 02	
prothioconazole: prothioconazole-desthio	<0.020	-	mg/kg	KM 02	
prothiofos	<0.001	-	mg/kg	KM 01	
pyraclostrobin	<0.010	-	mg/kg	KM 02	
pyrazophos	<0.001	-	mg/kg	KM 01	
pyrethrins	<0.020	-	mg/kg	KM 02	
pyridaben	<0.003	-	mg/kg	KM 01	
pyridalyl	<0.010	-	mg/kg	KM 02	
pyridaphenthion	<0.005	-	mg/kg	KM 01	
pyridate	<0.010	-	mg/kg	KM 02	
pyrifenox	<0.010	-	mg/kg	KM 02	
pyriofenone	<0.010	-	mg/kg	KM 02	
pyrimethanil	<0.010	-	mg/kg	KM 02	
pyriproxyfen	<0.010	-	mg/kg	KM 02	
quinalphos	<0.005	-	mg/kg	KM 01	
quinclorac	<0.020	-	mg/kg	KM 02	
quinmerac	<0.010	-	mg/kg	KM 02	
quinochlorac	<0.010	-	mg/kg	KM 02	
quinoxifen	<0.010	-	mg/kg	KM 02	
quintozene	<0.003	-	mg/kg	KM 01	
quizalofop-P	<0.020	-	mg/kg	KM 02	
quizalofop-P-ethyl	<0.010	-	mg/kg	KM 02	
resmethrin (resmethrin including other mixtures of constituent isomers (sum of isomers))	<0.020	-	mg/kg	KM 02	
rimsulfuron	<0.020	-	mg/kg	KM 02	
rotenone	<0.020	-	mg/kg	KM 02	
sedaxane	<0.004	-	mg/kg	KM 02	
simazine	<0.010	-	mg/kg	KM 02	
simetryn	<0.010	-	mg/kg	KM 02	
spinosad (spinosad, sum of spinosyn A and spinosyn D)	<0.040	-	mg/kg	KM 02	
spinosyn A	<0.020	-	mg/kg	KM 02	
spinosyn D	<0.020	-	mg/kg	KM 02	
spirodiclofen	<0.020	-	mg/kg	KM 02	
spiromesifen	<0.020	-	mg/kg	KM 02	
spirotetramat and its 4 metabolites BYI08330-enol, BYI08330-ketohydroxy, BYI08330-monohydroxy, and BYI08330 enol-glucoside, expressed as spirotetramat	<0.090	-	mg/kg	KM 02	
spirotetramat	<0.010	-	mg/kg	KM 02	
spirotetramat metabolite: BYI08330-enol	<0.010	-	mg/kg	KM 02	
spirotetramat metabolite:BYI08330 enol-glucoside	<0.010	-	mg/kg	KM 02	
spirotetramat metabolite:BYI08330-ketohydroxy	<0.050	-	mg/kg	KM 02	
spirotetramat metabolite:BYI08330-monohydroxy	<0.010	-	mg/kg	KM 02	
spiroxamine (sum of isomers)	<0.010	-	mg/kg	KM 02	
sulfosulfuron	<0.010	-	mg/kg	KM 02	
sulfotep	<0.001	-	mg/kg	KM 01	
sulfoxaflo (sum of isomers)	<0.020	-	mg/kg	KM 02	
tau-fluvalinate	<0.010	-	mg/kg	KM 02	
tebuconazole	<0.001	-	mg/kg	KM 01	
tebufenozide	<0.010	-	mg/kg	KM 02	
tebufenpyrad	<0.010	-	mg/kg	KM 02	
tecnazene	<0.001	-	mg/kg	KM 01	
teflubenzuron	<0.050	-	mg/kg	KM 02	
tefluthrin	<0.001	-	mg/kg	KM 01	
temephos	<0.010	-	mg/kg	KM 02	
tepraloxymid	<0.020	-	mg/kg	KM 02	
terbufos	<0.001	-	mg/kg	KM 01	
terbufos-sulfone	<0.010	-	mg/kg	KM 02	

Analyte	Result*	Expanded uncertainty	Unit	Testing method	Notice
terbufos-sulfoxide	<0.010	-	mg/kg	KM 02	
terbuthylazine	<0.010	-	mg/kg	KM 02	
terbutryn	<0.010	-	mg/kg	KM 02	
tetraconazole	<0.005	-	mg/kg	KM 01	
tetradifon	<0.001	-	mg/kg	KM 01	
tetramethrin	<0.020	-	mg/kg	KM 02	
thiabendazole	<0.010	-	mg/kg	KM 02	
thiacloprid	<0.010	-	mg/kg	KM 02	
thiamethoxam	<0.020	-	mg/kg	KM 02	
thifensulfuron-methyl	<0.020	-	mg/kg	KM 02	
thiodicarb	<0.020	-	mg/kg	KM 02	
thiometon	<0.005	-	mg/kg	KM 01	
thiophanate-methyl	<0.010	-	mg/kg	KM 02	
tolclofos-methyl	<0.003	-	mg/kg	KM 01	
tolfenpyrad	<0.010	-	mg/kg	KM 02	
tolyfluanid (sum of tolyfluanid and dimethylaminosulfotoluidide expressed as tolyfluanid)	<0.050	-	mg/kg	KM 02	
tolyfluanid	<0.020	-	mg/kg	KM 02	
tolyfluanid metabolite: dimethylaminosulfotoluidide (DMST)	<0.020	-	mg/kg	KM 02	
triadimefon	<0.003	-	mg/kg	KM 01	
triadimenol (any ratio of constituent isomers)	<0.050	-	mg/kg	KM 01	
triasulfuron	<0.010	-	mg/kg	KM 02	
triazophos	<0.001	-	mg/kg	KM 01	
trichlorfon	<0.010	-	mg/kg	KM 02	
tricyclazole	<0.010	-	mg/kg	KM 02	
trifloxystrobin	<0.010	-	mg/kg	KM 02	
triflumuron	<0.020	-	mg/kg	KM 02	
trifluralin	<0.001	-	mg/kg	KM 01	
triforine	<0.020	-	mg/kg	KM 02	
trinexapac ethyl	<0.020	-	mg/kg	KM 02	
triticonazole	<0.020	-	mg/kg	KM 02	
tritosulfuron	<0.020	-	mg/kg	KM 02	
valifenalate	<0.010	-	mg/kg	KM 02	
vamidothion	<0.010	-	mg/kg	KM 02	
vamidothion sulfone	<0.020	-	mg/kg	KM 02	
vamidothion sulfoxide	<0.010	-	mg/kg	KM 02	
vinclozolin	<0.005	-	mg/kg	KM 01	
zoxamide	<0.010	-	mg/kg	KM 02	
2-phenylphenol	<0.001	-	mg/kg	KM 01	

* the sign "<" indicate that concentration is lower than this value, i.e. below limit of quantitation (LOQ)

Specification used for the assessment of test results:

Expanded uncertainty was calculated using coverage factor $k = 2$ corresponding to a coverage probability of approximately 95%. Uncertainty was calculated and stated according to the EA-4/16 and manual Kvalimetri 11 (issued by EURACHEM CZ). Uncertainty of sampling is not covered. Compliance is evaluated with respect to the uncertainty of test result according to the Guide ILAC-G8. The results given herein apply only to the sample as received. This certificate shall not be reproduced except in full, without written approval of the Laboratory. The certificate does not substitute any other legal document. Laboratory is not responsible for information supplied by customer, if such information can affect the validity of results.

Appendix:

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Prof. Dr. Jana Hajšlová, head of the laboratory



The end of Certificate