



Vysoká škola chemicko-technologická v Praze
Metrologická a zkušební laborato

zkušební laborato 1316.2 akreditovaná IA, dle SN EN ISO/IEC 17025:2005



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Protokol o zkouškách ML: 276/19

íslo tisku: 195/19

Zákazník: Kyosun s.r.o.
Trmická 836/1
190 00 Praha - Praha 9
eská republika

Datum p íjmu vzork laborato í: 1.2.2019
Objednávka: Kyosun
Ozna ení vzork zákazníkem: Matcha Tea šarže RKY01K

P edm t zkoušení - popis vzorku: matcha aj
obal: sá ek vrstvený aseptický
stav: doru eno bez zjevného poškození
množství: 307 g

Datum provedení zkoušek: 01.02.2019 - 15.02.2019
Místo provedení zkoušek: prostory MZL VŠCHT, Technická 1903/3, 166 28 Praha 6 - Dejvice
Zkušební metody: KM 01: GC-MS
KM 02 : LC-MS/MS(EN 15662)
KM 02^{EST}: LC-MS/MS(EN 15662)

VÝSLEDKY ZKOUŠEK:

REZIDUA PESTICID

Analyt	Výsledek*	Rozší ená nejistota	Jednotky	Zkušební metoda	Specifikace Poznámka
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	-
ametoctradin	<0,010	-	mg/kg	KM 02	-
ametryn	<0,010	-	mg/kg	KM 02	-
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	-

Analyt	Výsledek*	Rozšířená nejistota	Jednotky	Zkušební metoda	Specifikace Poznámka
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	-
bentazone	<0,010	-	mg/kg	KM 02 ^{ESI-}	-
bentazone, 8-hydroxy	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
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	-
bromoxynil and its salts, expressed as bromoxynil	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
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	<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	-
chlordantraniliprole (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	F)
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	-
cloprop	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
clothianidin	<0,020	-	mg/kg	KM 02	-
cyanazine	<0,010	-	mg/kg	KM 02	-

Analyt	Výsledek*	Rozšířená nejistota	Jednotky	Zkušební metoda	Specifikace Poznámka
cyazofamid	<0,010	-	mg/kg	KM 02	-
cyflufenamid: sum of cyflufenamid (Z-isomer) and its E-isomer	<0,010	-	mg/kg	KM 02	F)
cyfluthrin, beta-isomer	<0,005	-	mg/kg	KM 01	-
cyhalofop-butyl	<0,020	-	mg/kg	KM 02	F)
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	F)
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	-
diafenthiuron	<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	-
dichlorprop	<0,010	-	mg/kg	KM 02 ^{ESI-}	-
dichlorprop (sum of dichlorprop (including dichlorprop-P), its salts, esters and conjugates, expressed as dichlorprop)	<0,010	-	mg/kg	KM 02 ^{ESI-}	-
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	-
didecyldimethylammonium 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	-
dithianon	<0,10	-	mg/kg	KM 02 ^{ESI-}	-
diuron	<0,020	-	mg/kg	KM 02	-
dodine	<0,020	-	mg/kg	KM 02	-
empenthrin	<0,010	-	mg/kg	KM 02	-

Analyt	Výsledek*	Rozšířená nejistota	Jednotky	Zkušební metoda	Specifikace Poznámka
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	-
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	-
fenazaquin	<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	-
fenoprop	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
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 oxygen 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 (sum fipronil + sulfone metabolite (MB46136) expressed as fipronil)	<0,040	-	mg/kg	KM 02 ^{ESI-}	-
fipronil	<0,020	-	mg/kg	KM 02	-
fipronil sulfone metabolite (MB46136)	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
fipronil-desulfinyl	<0,010	-	mg/kg	KM 02 ^{ESI-}	-
fonicamid: sum of fonicamid, TFNA and TFNG expressed as fonicamid	<0,70	-	mg/kg	KM 02 ^{ESI-}	-

Analyt	Výsledek*	Rozšířená nejistota	Jednotky	Zkušební metoda	Specifikace Poznámka
flonicamid	<0,020	-	mg/kg	KM 02	-
flonicamid metabolite: TFNA	<0,50	-	mg/kg	KM 02 ^{ESI-}	-
flonicamid metabolite: TFNG	<0,10	-	mg/kg	KM 02 ^{ESI-}	-
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	-
fluazinam	<0,010	-	mg/kg	KM 02 ^{ESI-}	-
flubendiamide	<0,010	-	mg/kg	KM 02 ^{ESI-}	-
flucythrinate	<0,003	-	mg/kg	KM 01	-
fludioxonil	<0,003	-	mg/kg	KM 01	-
fluensulfon	<0,10	-	mg/kg	KM 02	F)
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	-
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	-
fomesafen	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
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	-
heptachlorepoxyde cis	<0,025	-	mg/kg	KM 01	-
heptachlorepoxyde 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	-
hexaflumuron	<0,010	-	mg/kg	KM 02 ^{ESI-}	-
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	-

Analyt	Výsledek*	Rozšířená nejistota	Jednotky	Zkušební metoda	Specifikace Poznámka
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	-
ioxynil	<0,010	-	mg/kg	KM 02 ^{ESI-}	-
ioxynil (sum of ioxynil, its salts and its esters, expressed as ioxynil)	<0,010	-	mg/kg	KM 02 ^{ESI-}	-
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	<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	-
linuron	<0,010	-	mg/kg	KM 02	-
lufenuron (any ratio of constituent isomers)	<0,020	-	mg/kg	KM 02	-
malathion (sum of malathion and malaaxon expressed as malathion)	<0,020	-	mg/kg	KM 02	-
malaaxon	<0,010	-	mg/kg	KM 02	-
malathion	<0,010	-	mg/kg	KM 02	-
mandipropamid	<0,010	-	mg/kg	KM 02	-
MCPA and MCPB (MCPA, MCPB including their salts, esters and conjugates expressed as MCPA)	<0,20	-	mg/kg	KM 02 ^{ESI-}	-
MCPA	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
MCPB	<0,20	-	mg/kg	KM 02 ^{ESI-}	-
mecarbam	<0,010	-	mg/kg	KM 02	-
mecoprop	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
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	-
meptyldinocap	<0,050	-	mg/kg	KM 02 ^{ESI-}	-
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	-

Analyt	Výsledek*	Rozšířená nejistota	Jednotky	Zkušební metoda	Specifikace Poznámka
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	F)
nuarimol	<0,003	-	mg/kg	KM 01	-
omethoate	<0,010	-	mg/kg	KM 02	-
orthosulfamuron	<0,010	-	mg/kg	KM 02	F)
oxadiargyl	<0,010	-	mg/kg	KM 02	F)
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	F)
oxychlordan	<0,025	-	mg/kg	KM 01	-
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	<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	<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	F)
penthioopyrad	<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	-

Analyt	Výsledek*	Rozšířená nejistota	Jednotky	Zkušební metoda	Specifikace Poznámka
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	-
propiconazole (sum of isomers)	<0,020	-	mg/kg	KM 02	-
propoxur	<0,010	-	mg/kg	KM 02	-
propoxycarbazone	<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	F)
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	F)
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	-
quinoclamine	<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	-

Analyt	Výsledek*	Rozšířená nejistota	Jednotky	Zkušební metoda	Specifikace Poznámka
rotenone	<0,020	-	mg/kg	KM 02	-
sedaxane	<0,004	-	mg/kg	KM 02	F)
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	-
sulfoxaflor (sum of isomers)	<0,020	-	mg/kg	KM 02	F)
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	F)
tepraloxydim	<0,020	-	mg/kg	KM 02	-
terbufos	<0,001	-	mg/kg	KM 01	-
terbufos-sulfone	<0,010	-	mg/kg	KM 02	-
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	-
triclopyr	<0,20	-	mg/kg	KM 02 ^{ESI-}	-
tricyclazole	<0,010	-	mg/kg	KM 02	-
trifloxystrobin	<0,010	-	mg/kg	KM 02	-
triflumuron	<0,020	-	mg/kg	KM 02	-

Analyt	Výsledek*	Rozšířená nejistota	Jednotky	Zkušební metoda	Specifikace Poznámka
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	F)
valifenalate	<0,010	-	mg/kg	KM 02	F)
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-naphthoxyacetic acid	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
2-phenylphenol	<0,001	-	mg/kg	KM 01	-
2,4-D	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
2,4-D (sum of 2,4-D, its salts, its esters and its conjugates, expressed as 2,4-D)	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
2,4-DB	<0,10	-	mg/kg	KM 02 ^{ESI-}	-
2,4-DB (sum of 2,4-DB, its salts, its esters and its conjugates, expressed as 2,4-DB)	<0,10	-	mg/kg	KM 02 ^{ESI-}	-
2,4,5-T	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
2,4,5-T (sum of 2,4,5-T, its salts and esters, expressed as 2,4,5-T)	<0,020	-	mg/kg	KM 02 ^{ESI-}	-
4-CPA (4-chlorophenoxyacetic acid = PCPA)	<0,020	-	mg/kg	KM 02 ^{ESI-}	-

* pokud je před hodnotou znaménko "<" pak koncentrace je nižší nežli tato hodnota, tj. pod mezí stanovitelnosti (LOQ)

F) existující zkušební postup byl modifikován/rozšířen v rámci flexibilního rozsahu akreditace

Uvedená rozšířená nejistota byla vyvozena s použitím koeficientem rozšíření $k=2$, což odpovídá hladině spolehlivosti přibližně 95 %. Při výpočtu a uvádění nejistoty se postupuje podle dokumentu EA-4/16 a příručky Kvalimetrie 11 (EURACHEM CZ). Uváděné nejistoty nezahrnují nejistotu vzorkování. Pro posouzení shody s limitními hodnotami byly vzaty do úvahy nejistoty výsledků zkoušek podle Směrnice ILAC-G8.

Bez písemného souhlasu Metrologické a zkušební laboratoře nelze Protokol o zkouškách kopírovat jinak než celý.

Výsledky zkoušek se týkají pouze uvedeného zkušební vzorku, jak byl laboratorou přijat. Protokol o zkouškách nenahrazuje žádné jiné právní dokumenty. Laboratoř nenes odpovědnost za informace dodané zákazníkem, pokud mohou mít vliv na platnost výsledků.

Protokol o zkouškách vystaven v Praze dne: 15.2.2019

prof. Ing. Jana Hajšlová, CSc., vedoucí laboratoře

Konec protokolu