

PESTICIDE MULTIRESIDUE METHOD

SCOPE OF ACTIVE SUBSTANCES IN HONEY, SYRUPS (AGAVE, COCONUT, MAPLE) AND SUGAR

Substance name	Limit of quantification (LOQ) [mg/kg]				
		Chloropropylate ²	0.01	Dodine ¹	0.01
		Chlorothalonil ²	0.01		
		Chloroxuron ¹	0.01	E	
2		Chlorpropham ²	0.01	Endosulfan, -alpha ²	0.01
2.4-D ¹	0.01	Chlorpyrifos (-ethyl) ²	0.01	Endosulfan, -beta ²	0.01
		Chlorpyrifos-methyl ²	0.01	Endosulfan-sulfate ²	0.01
A		Chlorthal-dimethyl ²	0.01	Endrin ²	0.01
Acephate ^{1, 2}	0.01	Chlorthion ²	0.01	EPN ^{1, 2}	0.01
Acequinocyl ¹	0.01	Chlorthiophos ²	0.01	Epoxiconazole ¹	0.01
Acetamiprid ¹	0.01	Chlozolinate ²	0.01	Ethiofencarb ¹	0.01
Acibenzolar-S-methyl ¹	0.01	Clofentezine ¹	0.01	Ethiofencarb-sulfone ¹	0.01
Aclonifen ²	0.01	Clomazone ¹	0.01	Ethion ²	0.01
Acrinathrin ²	0.01	Clopyralid ¹	0.01	Ethoprophos ²	0.01
Alachlor ²	0.01	Clothianidin ¹	0.01	Ethoxyquin ¹	0.01
Aldicarb ¹	0.01	Coumaphos ^{1, 2}	0.01	Etofenprox ²	0.01
Aldicarb sulfone (Aldoxycarb) ¹	0.01	Cyanofenphos ²	0.01	Etridiazole ²	0.01
Aldicarb sulfoxide ¹	0.01	Cyanophos ²	0.01	Etrimfos ²	0.01
Aldrin ²	0.01	Cyantraniliprole ¹	0.01		
Allethrin ²	0.01	Cyfluthrin (sum of isomers) ²	0.01	F	
Amitraz (incl. rel. metabolites) ¹	0.01	Cyhalothrin, -lambda ²	0.01	Famoxadone ¹	0.01
Avermectin B1a ¹	0.01	Cymiazole ^{1, 2}	0.01	Famphur ²	0.01
Avermectin B1b ¹	0.01	Cymoxanil ¹	0.01	Fenamiphos ¹	0.01
Azinphos-ethyl ¹	0.01	Cypermethrin (sum of isomers) ²	0.01	Fenarimol ¹	0.01
Azinphos-methyl ¹	0.01	Cyproconazole ¹	0.01	Fenazaquin ¹	0.01
Azoxystrobin ¹	0.01	Cyprodinil ¹	0.01	Fenbuconazole ¹	0.01
		Cyromazin ¹	0.01	Fenchlorphos ²	0.01
				Fenhexamid ¹	0.01
B		D		Fenitrothion ²	0.01
Benalaxyl-M (sum of isomers) ¹	0.01	Daminozide ¹	0.01	Fenoxycarb ¹	0.01
Benfluralin ²	0.01	DDD, o,p ^{1, 2}	0.01	Fenpropathrin ²	0.01
Benomyl ¹	0.01	DDD, p,p ^{1, 2}	0.01	Fenpropimorph ¹	0.01
Bifenazate ²	0.01	DDE, o,p ^{1, 2}	0.01	Fenpyroximate ¹	0.01
Bifenthrin ²	0.01	DDE, p,p ^{1, 2}	0.01	Fenson ²	0.01
Binapacryl ²	0.01	DDT, o,p ^{1, 2}	0.01	Fensulfotion ²	0.01
Biphenyl ²	0.01	DDT, p,p ^{1, 2}	0.01	Fenthion ¹	0.01
Bitertanol ¹	0.01	DEET (Diethyltoluamid) ¹	0.01	Fenthion-oxon ¹	0.01
Boscalid ¹	0.01	Deltamethrin ²	0.01	Fenthion-oxon-sulfone ¹	0.01
Bromacil ¹	0.01	Demeton-S-methyl ¹	0.01	Fenthion-sulfoxide ¹	0.01
Bromophos (-methyl) ²	0.01	Demeton-S-methyl-sulfone ¹	0.01	Fenvalerate/Esfenvalerate	0.01
Bromophos-ethyl ²	0.01	Demeton-S-methyl-sulfoxide ¹	0.01	(sum of isomers) ²	
Bromopropylate	0.01	Diafenthiuron ¹	0.01	Fipronil ²	0.005
(incl. 4,4'-Dibromobenzophenone) ²		Diazinon ²	0.01	Fluazifop-P ¹	0.01
Bromuconazole (sum of isomers) ¹	0.01	Dichlobenil ²	0.01	Fluazifop-P-butyl ¹	0.01
Bupirimate ¹	0.01	Dichlofenthion ²	0.01	Fluazinam ¹	0.01
Buprofezin ¹	0.01	Dichlofluanid ²	0.01	Fluchloralin ²	0.01
		Dichlorvos ^{1, 2}	0.01	Flucythrinate ²	0.01
C		Dicloran ²	0.01	Fludioxonil ¹	0.01
Cadusafos ¹	0.01	Dicofol (incl. 4,4'-Dichlorobenzophenone) ²	0.01	Flufenoxuron ¹	0.01
Captan ²	0.01	Dieldrin ²	0.01	Fluopyram ¹	0.01
Carbaryl ¹	0.01	Diethofencarb ¹	0.01	Fluquinconazole ¹	0.01
Carbendazim (incl. Benomyl) ¹	0.01	Difenoconazol ¹	0.01	Flusilazole ¹	0.01
Carbetamide (sum of isomers) ¹	0.01	Diflubenzuron ¹	0.01	Flutriafol ¹	0.01
Carbofuran (incl. Carbosulfan) ¹	0.01	Diflufenican ¹	0.01	Fluvalinate, Tau- ²	0.01
Carbofuran-3-hydroxy ¹	0.01	Dimethoat ¹	0.01	Fluxapyroxad ¹	0.01
Carbophenothion ²	0.01	Dimethomorph ¹	0.01	Folpet ²	0.01
Chlordane, cis- (alpha-) ²	0.01	Dimoxystrobin ¹	0.01	Fonofos ¹	0.01
Chlordane, Oxy- ²	0.01	Diniconazol ¹	0.01	Formothion ²	0.01
Chlordane, trans- (gamma-) ²	0.01	Dinotefuran ¹	0.01		
Chlorfenapyr ²	0.01	Diphenylamin ¹	0.01	H	
Chlorfenoson ²	0.01	Disulfuton ¹	0.01	Halfenprox ²	0.01
Chlorfenvinphos ^{1, 2}	0.01	Disulfuton sulfone ¹	0.01	Haloxypol ¹	0.01
Chlormephos ²	0.01	Disulfuton sulfoxide ¹	0.01	HCH, alpha- (Hexachlorocyclohexane,	0.01
Chlorobenzilate ²	0.01	Ditalimfos ²	0.01	alpha-BCH) ²	
Chloroneb ²	0.01	Diuron ¹	0.01	HCH, beta- (Hexachlorocyclohexane,	0.01

beta-BCH) ²		Oxadixyl ¹	0.01	Terbufos ²	0.01
HCH, delta- (Hexachlorocyclohexane, delta-BCH) ²	0.01	Oxamyl ¹	0.01	Terbutylazine ¹	0.01
Heptachlor ²	0.01	P		Tetrachlorvinphos ²	0.01
Heptachlor epoxide, cis- ²	0.01	Paraoxon (-ethyl) ²	0.01	Tetraconazole ¹	0.01
Heptachlor epoxide, trans- ²	0.01	Paraoxon-methyl ²	0.01	Tetradifon ²	0.01
Heptenophos ²	0.01	Parathion (-ethyl) ²	0.01	Tetramethrin ²	0.01
Hexachlorobenzene (HCB) ²	0.01	Parathion-methyl ²	0.01	Tetrasul ²	0.01
Hexaconazole ¹	0.01	Penconazole ¹	0.01	Thiabendazole ¹	0.01
Hexaflumuron ²	0.01	Pencycuron ¹	0.01	Thiacloprid ¹	0.01
Hexythiazox ¹	0.01	Pendimethalin ²	0.01	Thiamethoxam ¹	0.01
		Pentachloroaniline ²	0.01	Thiodicarb ¹	0.01
I		Pentachloroanisole ²	0.01	Thionazin ²	0.01
Imazalil ¹	0.01	Permethrin (sum of isomers) ²	0.01	Thiophanat-methyl ¹	0.01
Imidacloprid ¹	0.01	Phenthoate ²	0.01	Tolclofos-methyl ²	0.01
Inodoxacarb ¹	0.01	Phenylphenol, 2- ²	0.01	Tolyfluanid ²	0.01
Iodofenphos ²	0.01	Phorate ²	0.01	Triadimefon ¹	0.01
Iprobenfos ²	0.01	Phorate sulfone ²	0.01	Triadimenol ¹	0.01
Iprodione ²	0.01	Phosalone ²	0.01	Triallate ²	0.01
Iprovalicarb ¹	0.01	Phosmet ²	0.01	Triazophos ²	0.01
Isazofos ²	0.01	Phosphamidon ²	0.01	Trichlorfon ¹	0.01
Isocarbofos ²	0.01	Piperonyl butoxide ²	0.01	Trichloronat ²	0.01
Isodrin ²	0.01	Pirimicarb ¹	0.01	Trifloxystrobin ¹	0.01
Isofenphos ¹	0.01	Pirimicarb, Desmethyl- ¹	0.01	Triflumizole ¹	0.01
Isofenphos-methyl ¹	0.01	Pirimicarb, Desmethylformamido- ¹	0.01	Trifluralin ²	0.01
Isoproturon ¹	0.01	Pirimiphos-ethyl ²	0.01	Triforine ¹	0.01
Isoxathion ²	0.01	Pirimiphos-methyl ²	0.01	V	
		Prochloraz ¹	0.01	Vinclozolin ²	0.01
K		Procymidone ²	0.01		
Kresoxim-methyl ¹	0.01	Profenofos ²	0.01		
		Profluralin ²	0.01		
L		Propamocarb ¹	0.01		
Leptophos ²	0.01	Propargite ¹	0.01	Technical equipment	
Lindane (gamma-HCH, gamma-BCH) ²	0.01	Propetamphos ²	0.01	¹ : LC-MS/MS	
Linuron ¹	0.01	Propiconazole ¹	0.01	² : GC-MS/MS	
Lufenuron ¹	0.01	Propoxur ¹	0.01		
		Propyzamide ¹	0.01	Method	
M		Prothioconazole ¹	0.01	ASU § 64 LFGB L 00.00-115 (DIN EN 15662),	
Malaoxon ¹	0.01	Prothiofos ²	0.01	QuEChERS	
Malathion ¹	0.01	Pymetrozine ¹	0.01		
Mecarbam ¹	0.01	Pyraclostrobin ¹	0.01	Additional residue analyses (included in pesticide multiresidue method)	
Mepanipyrim ¹	0.01	Pyrazophos ²	0.01	Bee treatment agents by GC-MS/MS	
Mepronil ¹	0.01	Pyridaben ¹	0.01	Neonicotinoide by LC-MS/MS	
Mesotrione ¹	0.01	Pyridaphenthion ¹	0.01		
Metalaxyl ¹	0.01	Pyrifenoxy ¹	0.01	Additional residue analyses (not included in pesticide multiresidue method)	
Metamitron ¹	0.01	Pyrimethanil ¹	0.01	Chlorate, Perchlorate by LC-MS/MS	
Metazachlor ¹	0.01	Pyriproxyfen ¹	0.01	Cloromequat, Mepiquat by LC-MS/MS	
Methacrifos ²	0.01			Diquat, Paraquat by LC-MS	
Methamidophos ^{1,2}	0.01	Q		Dithiocarbamates by GC-MS/MS	
Methidathion ²	0.01	Quinalphos ²	0.01	Ethephon by LC-MS/MS	
Methiocarb ¹	0.01	Quinoxifen ¹	0.01	Ethylendibromide by GC-MS/MS	
Methiocarb sulfone ¹	0.01	Quintozene ²	0.01	Fentin by LC-MS/MS	
Methiocarb sulfoxide ¹	0.01			Flumethrin by GC-MS/MS	
Methomyl ¹	0.01	R		Fosetyl-AI, Phosphonic acid by LC-MS/MS	
Methoxychlor ²	0.01	Rotenone ¹	0.01	Glyphosate (incl. AMPA), Glufosinate by LC-MS/MS	
Methoxyfenozide ¹	0.01			Maleic hydrazide by LC-MS/MS	
Metobromuron ¹	0.01	S		Nicotine by LC-MS/MS	
Metolcarb ¹	0.01	S 421 (Octachlorodipropyl ether) ²	0.01	Organotin-Pesticides by LC-MS/MS	
Metoxuron ¹	0.01	Spinosad ¹	0.01	Phenoxyalkanoic acids by LC-MS/MS	
Metribuzin ¹	0.01	Spirodiclofen ¹	0.01	Phosphane by GC-MS/MS	
Mevinphos ²	0.01	Spiromesifen ¹	0.01	Polychlorinated Biphenyls (PCBs) by GC-MS/MS	
Mirex ²	0.01	Spirotetramat ¹	0.01	Quaternary ammonium compounds (QAVs) by LC-MS/MS	
Monocrotophos ²	0.01	Spiroxamine ¹	0.01	Beerepellents, wax moth control agents by GC-MS/MS	
Monolinuron ¹	0.01	Sulfotep ²	0.01	Total Inorganic Bromide, Bromate by LC-MS/MS	
Myclobutanil ¹	0.01	Sulfoxaflor ¹	0.01		
		Sulprofos ²	0.01		
N					
Nitenpyram ¹	0.01	T			
Nitrapyrin ²	0.01	Tebuconazole ¹	0.01		
Nitrofen ²	0.01	Tebufenozide ¹	0.01		
Nuarimol ¹	0.01	Tebufenpyrad ¹	0.01		
		Tecnazene ²	0.01		
O		Teflubenzuron ¹	0.01		
Omethoat ¹	0.01	Tefluthrin ²	0.01		