

AP0_LI_016 (Version: 03/05.12.2019)

Screening auf Pestizidrückstände (nach Probenaufarbeitung mittels GPC)
Screening for pesticides (sample preparation by SEC)

Pesticide Common Names	LOQ mg/kg	1)	Pesticide Common Names	LOQ mg/kg	1)	Pesticide Common Names	LOQ mg/kg	1)
2,4-D	0.01	LC	Bromuconazole (cis- + trans-)	0.01	LC	DDT [1]	0.04	GC
2,4-DP	0.01	LC	Bupirimate	0.01	LC	(o,p'-DDE + p,p'-DDE + o,p'-DDT + p,p'-DDT + o,p'-TDE + p,p'-TDE)		
4-CPA	0.01	LC	Butafenacil	0.02	GC	DEET	0.01	LC
Abamectin	0.01	LC	Butocarboxim	0.01	LC	Deltamethrin [0.5]	0.02	GC
Acephate [0.1]	0.01	LC	Butocarboxim-sulfoxide	0.01	LC	Demeton-S-methyl	0.01	LC
Acetamiprid	0.01	LC	Cadusafos	0.01	LC	Desisopropylatrazin	0.01	LC
Acibenzolar-S-methyl	0.02	GC	Carbaryl	0.01	LC	Diafenthiuron*	0.01	LC
Acrinathrin*	0.07	GC	Carbendazim	0.01	LC	Dialifos*	0.01	LC
Alachlor [0.05]	0.02	GC	Carbetamide	0.01	LC	Diazinon [0.5]	0.01	LC
Alanycarb*	0.01	LC	Carbofenothion	0.03	GC	Dibrom*	0.01	LC
Aldicarb	0.01	LC	Carbofuran + 3-Hydroxycarbofuran + Carbosulfan*	0.1	LC	Dibrombenzophenon (4,4-)	0.02	GC
(Aldicarb + Aldicarb-sulfoxide* + Aldicarb-sulphone)			Carboxin	0.01	LC	Dichlofenthion	0.03	GC
Aldrin	0.03	GC	Chinomethionat	0.02	GC	Dichlofluanid [0.1]	0.04	GC
Ametoctradin	0.01	LC	Chlorantraniliprole	0.01	LC	Dichlorbenzamid (2,6-)	0.01	LC
Ametryn	0.01	LC	Chlorbufam	0.02	GC	Dichlorbenzophenon (4,4-)	0.03	GC
Amidithion	0.01	LC	Chlordane [0.05]	0.03	GC	Diclobutrazol	0.01	LC
Amidosulfuron	0.01	LC	(cis-Chlordane + trans-Chlordane + Oxychlordane)			Dicloran	0.03	GC
Aminocarb	0.01	LC	Chlorfenapyr	0.02	GC	Dicrotophos*	0.01	LC
Amisulbrom	0.01	GC	Chlorfenson	0.02	GC	Diethofencarb	0.01	LC
Anilazine*	0.02	GC	Chlorfenvinphos [0.05]	0.02	GC	Difenoconazole	0.01	LC
Anthraquinone	0.03	GC	Chlorfluazuron	0.01	LC	Diffubenzuron	0.01	LC
Aspon	0.01	LC	Chlorobenzilate*	0.03	GC	Dimethipin	0.02	GC
Atrazine	0.01	LC	Chlorothalonil*	0.02	GC	Dimethoate + Omethoate [0.1]	0.01	LC
Azaconazole	0.01	LC	Chlorpropham	0.03	GC	Dimethomorph	0.01	LC
Azadirachtin*	0.1	LC	Chlorpyrifos-ethyl [0.2]	0.02	GC	Dimetilan	0.01	LC
Azamethiphos*	0.01	LC	Chlorpyrifos-methyl [0.1]	0.02	GC	Dimoxystrobin	0.01	LC
Azinphos-ethyl [0.1]	0.02	GC	Chlorsulfuron	0.01	LC	Diniconazole	0.01	LC
Azinphos-methyl [1]	0.01	LC	Chlorthal-dimethyl [0.01]	0.02	GC	Dinotefuran	0.01	LC
Azoxystrobin	0.01	LC	Chlorthiophos	0.03	GC	Dioxabenzofos*	0.08	GC
BAC10	0.01	LC	Chlozolinate*	0.02	GC	Dioxacarb	0.01	LC
BAC12	0.01	LC	Chromafenozide	0.01	LC	Dioxathion	0.01	LC
BAC14	0.01	LC	Cinidon-ethyl	0.02	GC	Diphenamid	0.01	LC
BAC16	0.01	LC	Cinosulfuron	0.01	LC	Diphenylamine	0.17	GC
BAC18	0.01	LC	Clodinafop-propargyl*	0.01	LC	Disulfoton-sulfone	0.01	LC
Benalaxyl	0.01	LC	Clofentezine*	0.01	LC	Disulfoton-sulfoxide	0.01	LC
Bendiocarb	0.01	LC	Clothianidin	0.01	LC	Ditalimfos	0.02	GC
Benfluralin	0.03	GC	Coumaphos	0.02	GC	Dithiopyr	0.02	GC
Benfuracarb*	0.1	LC	Cyanofenphos	0.02	GC	Diuron	0.01	LC
Benodanil	0.01	LC	Cyanophos	0.03	GC	DMST	0.01	LC
Bensulfuron-methyl*	0.01	LC	Cyazofamid*	0.01	LC	Dodemorph	0.01	LC
Bentazon	0.01	LC	Cyenopyrafen	0.01	LC	Dodine	0.01	LC
Benthiavalicarb-isopropyl	0.01	LC	Cyflufenamid	0.01	LC	Emamectin (B _{1a} + B _{1b})	0.01	LC
Benzoximate	0.01	LC	Cyfluthrin + isomers [0.01]	0.02	GC	Endosulfan	0.02	GC
Bifenazate*	0.01	LC	Cyhexatin	0.01	LC	(α-Endosulfan + β-Endosulfan + Endosulfansulfat)		
Bifenox	0.02	GC	Cymiazole	0.01	LC	Endrin [0.05]	0.02	GC
Bifenthrin	0.02	GC	Cymoxanil*	0.01	LC	EPN	0.02	GC
Bistrifluron	0.01	LC	Cypermethrin + isomers [1]	0.02	GC	Epoxiconazole	0.01	LC
Bitertanol	0.01	LC	Cyproconazole	0.01	LC	Etaconazole	0.01	LC
Bixafen	0.01	LC	Cyprodinil	0.02	GC	Ethaboxam	0.01	LC
Boscalid	0.01	LC	Cyromazine	0.01	LC	Ethiofencarb	0.01	LC
Bromocyclen	0.04	GC	Daminozide	0.01	LC	Ethiofencarb-sulfone	0.01	LC
Bromophos-ethyl [0.05]	0.02	GC	DDAC	0.01	LC	Ethiofencarb-sulfoxide	0.01	LC
Bromophos-methyl [0.05]	0.02	GC				Ethion [2]	0.02	GC
Bromopropylate [2]	0.02	GC						

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Ethiprole	0.01	LC	Flutolanil	0.01	LC	MCPP	0.01	LC
Ethirimol	0.01	LC	Flutriafol	0.01	LC	Mecarbam [0.05]	0.02	GC
Ethoprophos	0.03	GC	Fluvalinate (τ-) [0.05]	0.02	GC	Mepanipyrim	0.01	LC
Ethoxyquin*	0.01	LC	Fluxapyroxad	0.01	LC	Mepronil	0.02	GC
Etofenprox	0.02	GC	Folpet + Phthalimide	0.1	GC	Metaflumizone	0.01	LC
Etozazole	0.01	LC	Fonofos [0.05]	0.04	GC	Metaxyl	0.01	LC
Etrimfos [0.05]	0.02	GC	Forchlorfenuron	0.01	LC	Metamitron*	0.01	LC
Famoxadone	0.02	GC	Formetanate*	0.01	LC	Metazachlor	0.02	GC
Famphur	0.02	GC	Formothion*	0.02	GC	Metconazole	0.01	LC
Fenamidone	0.01	LC	Fosthiazate	0.01	LC	Methacrifos [0.05]	0.5	GC
Fenamiphos + Fenamiphos-sulfoxide + Fenamiphos-sulphone	0.01	LC	Fuberidazole	0.01	LC	Methamidophos [0.05]	0.01	LC
Fenarimol	0.01	LC	Furalaxyl	0.01	LC	Methidathion [0.2]	0.02	GC
Fenazaquin	0.01	LC	Furathiocarb	0.01	LC	Methiocarb	0.01	LC
Fenazox	0.03	GC	Halfenprox*	0.02	GC	(Methiocarb + Methiocarb-sulfoxide* + Methiocarb-sulphone*)		
Fenbuconazole	0.01	LC	Halosulfuron-methyl*	0.01	LC	Methomyl	0.01	LC
Fenbutatin-oxide	0.01	LC	Haloxypop	0.01	LC	Methoprotryne	0.01	LC
Fenchlorphos	0.02	GC	Haloxypop-ethoxyethyl	0.01	LC	Methoxychlor [0.05]	0.1	GC
+ Fenchlorphos-oxon [0.1]	0.01	LC	Haloxypop-methyl	0.01	LC	Methoxyfenozide	0.01	LC
Fenfuram	0.01	LC	Heptachlor [0.05]	0.03	GC	Metolachlor	0.01	LC
Fenhexamid	0.01	LC	(Heptachlor + cis-Heptachlor-epoxide + trans-Heptachlor-epoxide)			Metolcarb	0.01	LC
Fenitrothion [0.5]	0.02	GC	Heptenophos*	0.01	LC	Metominostrobin	0.02	GC
Fenobucarb*	0.03	GC	Hexachlorobenzene [0.1]	0.08	GC	Metosulam	0.01	LC
Fenoxycarb	0.01	LC	Hexachlorocyclohexane [0.03]	0.05	GC	Metrafenone	0.02	GC
Fenpiclonil	0.02	GC	(α-HCH + β-HCH + δ-HCH + ε-HCH)			Metribuzin	0.01	LC
Fenpropathrin [0.03]	0.03	GC	Hexaconazole	0.01	LC	Metsulfuron-methyl	0.01	LC
Fenpropidin	0.01	LC	Hexaflumuron	0.01	LC	Mevinphos (E- + Z-)	0.01	LC
Fenpropimorph*	0.01	LC	Hexythiazox	0.01	LC	Mirex [0.01]	0.02	GC
Fenpyrazamine	0.01	LC	Imazalil	0.01	LC	Molinate	0.01	LC
Fenpyroximate	0.01	LC	Imazaquin	0.01	LC	Monocrotophos [0.1]	0.01	LC
Fenson	0.03	GC	Imibenconazole	0.01	GC	Morpholin	0.01	LC
Fensulfothion [0.05]	0.01	LC	Imicyafos	0.01	LC	Morphothion	0.01	LC
(Fensulfothion + Fensulfothion-oxon + Fensulfothion-oxonsulfon + Fensulfothion-sulfon)			Imidacloprid	0.01	LC	Myclobutanil	0.01	LC
Fenvalerate* [1.5]	0.02	GC	Indoxacarb	0.01	GC	Naphthylacetamide (1-NAD)	0.01	LC
Fipronil	0.01	LC	Iprobenfos	0.01	LC	Neburon	0.01	LC
Flazasulfuron*	0.01	LC	Iprodione	0.01	GC	Nicosulfuron	0.01	LC
Fonicamid	0.02	GC	Iprovalicarb	0.01	LC	Nitenpyram	0.01	LC
Fluacrypyrim	0.01	LC	Isazofos	0.01	LC	Nitrofen	0.02	GC
Fluazifop	0.01	LC	Isocarboxipos	0.01	GC	Nitrothal-isopropyl	0.02	GC
Fluazifop-p-butyl	0.02	GC	Isodrin	0.03	GC	Novaluron	0.01	LC
Fluazinam	0.01	LC	Isofenphos-ethyl	0.03	GC	Nuarimol	0.01	LC
Flubendiamide	0.01	LC	Isofenphos-methyl	0.03	GC	Ofurace	0.01	LC
Flucythrinate [0.05]	0.02	GC	Isoprocab	0.01	LC	Oxadixyl	0.01	LC
Fludioxonil	0.02	GC	Isopropalin	0.02	GC	Oxamyl	0.01	LC
Flufenacet	0.01	LC	Isoprothiolane	0.01	LC	Oxydemeton-methyl	0.01	LC
Flufenoxuron	0.01	LC	Isoproturon	0.01	LC	+ Demeton-S-methylsulfon		
Flumioxazin	0.02	GC	Isopyrazam	0.01	LC	Oxyfluorfen	0.02	GC
Flumorph	0.01	LC	Isoxathion	0.01	LC	Paclobutrazol	0.01	LC
Fluopicolide	0.01	LC	Jodfenphos	0.02	GC	Parathion-ethyl +	0.02	GC
Fluopyram	0.01	LC	Kresoxim-methyl	0.02	GC	Paraaxon-ethyl [0.5]	0.01	LC
Fluoxastobin	0.01	LC	Lambda-Cyhalothrin [1]	0.03	GC	Parathion-methyl +	0.02	GC
Flupyradifurone	0.01	LC	Lindan (γ-HCH) [0.6]	0.02	GC	Paraaxon-methyl [0.2]	0.01	LC
Fluquinconazole	0.02	GC	Linuron	0.01	LC	Penconazole	0.02	GC
Fluroxypyr	0.01	LC	Lufenuron	0.01	LC	Pencycuron	0.01	LC
Flurtamone	0.01	LC	Malathion +	0.02	GC	Pendimethalin [0.1]	0.01	LC
Flusilazole	0.01	LC	Malaoxon* [1]	0.01	LC	Pentachloroanisole [0.01]	0.08	GC
Flutianil	0.02	GC	Mandipropamid	0.01	LC	Penthiopyrad	0.01	LC
			MCPA	0.01	LC	Permethrin + isomers [1]	0.02	GC

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Phenthoate	0.01	LC	Pyrimethanil	0.02	GC	Thiodicarb*	0.01	LC
Phorate	0.02	GC	Pyrimidifen	0.02	GC	Thiofanox-sulfone	0.01	LC
Phorate-sulfone	0.01	LC	Pyriproxyfen	0.01	LC	Thiofanox-sulfoxide	0.01	LC
Phorate-sulfoxide	0.01	LC	Quinalphos [0.05]	0.02	GC	Thiometon	0.03	GC
Phosalone [0.1]	0.02	GC	Quinmerac	0.01	LC	Thiophanate-ethyl	0.01	LC
Phosmet [0.05]	0.02	GC	Quinoxyfen	0.02	GC	Thiophanate-methyl*	0.01	LC
Phosphamidon	0.03	GC	Quintozone [1]	0.05	GC	Tolclofos-methyl	0.03	GC
Phoxim	0.01	LC	(Quintozone + Pentachloroaniline + Methyl-pentachlor-phenyl sulfide)			Tolfenpyrad	0.02	GC
Picoxystrobin	0.01	LC	Quizalofop-ethyl	0.01	LC	Tolyfluanid	0.04	GC
Piperonyl butoxide [2]	0.01	LC	Quizalofop-P	0.01	LC	Tralkoxydim*	0.01	LC
Pirimicarb	0.01	LC	Resmethrin	0.01	LC	Tralomethrin	0.02	GC
Pirimicarb-desmethyl	0.01	LC	Rotenone*	0.01	LC	Triadimenol + Triadimefon	0.01	LC
Pirimiphos-ethyl [0.05]	0.02	GC	S-421 [0.02]	0.03	GC	Tri-allate	0.03	GC
Pirimiphos-methyl	0.02	GC	Sethoxydim*	0.01	LC	Triasulfuron	0.01	LC
Pirimiphos-methyl + N-des-ethyl-pirimiphos-methyl [4]	0.1	GC	Silafluofen	0.02	GC	Triazophos	0.01	LC
Prochloraz	0.01	LC	Spinetoram	0.01	LC	Trichlamide	0.01	GC
Procymidone [0.1]	0.02	GC	Spinosad	0.01	LC	Trichlorfon	0.01	LC
Profenofos [0.1]	0.01	GC	Spirodiclofen	0.02	GC	Trichloronate	0.03	GC
Promecarb	0.01	LC	Spiromesifen	0.03	GC	Tricyclazole	0.01	LC
Propamocarb	0.01	LC	Spirotetramat	0.01	LC	Tridemorph	0.01	LC
Propanil	0.01	LC	Spiroxamine	0.01	LC	Trifloxystrobin	0.01	LC
Propargite	0.02	GC	Sulfallate	0.05	GC	Triflumizole*	0.01	LC
Propetamphos	0.01	LC	Sulfosulfuron*	0.01	LC	Triflururon	0.01	LC
Propham	0.17	GC	Sulfotep	0.06	GC	Trifluralin	0.04	GC
Propiconazole	0.01	LC	Sulfoxaflor	0.01	LC	Triforine	0.01	LC
Propoxur	0.01	LC	Tebuconazole	0.01	LC	Trimethacarb	0.01	LC
Propyzamide	0.01	LC	Tebufenozide	0.01	LC	Triticonazole	0.01	LC
Proquinazid	0.01	LC	Tebufenpyrad	0.01	LC	Tritosulfuron*	0.01	LC
Prosulfocarb	0.01	LC	Tecnazene [0.05]	0.25	GC	Valifenalate	0.01	LC
Prosulfuron*	0.01	LC	Teflubenzuron	0.01	LC	Vamidothion	0.01	LC
Prothioconazole	0.01	LC	Tefluthrin	0.03	GC	Vinclozolin [0.4]	0.02	GC
Prothioconazole-desthio	0.01	LC	Terbutylazin	0.01	LC	Zoxamide	0.01	LC
Prothiofos [0.05]	0.02	GC	Tetrachlorvinphos	0.01	GC			
Pymetrozine	0.01	LC	Tetraconazole	0.01	LC			
Pyraclufos	0.01	LC	Tetradifon [0.3]	0.02	GC			
Pyraclostrobin	0.01	LC	Tetrahydroptalimide (cis-1,2,3,6-)	0.02	GC			
Pyrazophos	0.02	GC	Tetramethrin	0.02	GC			
Pyribencarb	0.01	LC	Tetrasul	0.02	GC			
Pyridaben	0.01	LC	Thiabendazole	0.01	LC			
Pyridalyl	0.01	LC	Thiacloprid	0.01	LC			
Pyridaphenthion	0.01	LC	Thiamethoxam	0.01	LC			
Pyridate	0.01	LC	Thifensulfuron	0.01	LC			
Pyrifenox	0.01	LC	Thiocyclam	0.25	GC			

1) Methode/Method

GC: GC-MS/MS

LC: LC-MS/MS

Bei Substanzgruppen beziehen sich die Bestimmungsgrenzen (LOQ) auf die einzelnen Substanzen.

For substance groups, the limits of quantification (LoQ) refer to the individual substances.

*Es handelt sich um instabile Substanzen, deren Quantifizierung mit einer höheren Messunsicherheit verbunden ist.

**These are unstable substances whose quantification is associated with a higher measurement uncertainty.*