

Komeco B.V.
 Attention Liesbeth Broekhuizen
 Colijnweg 2
 8251 PK Dronten

Certificate of analysis

Analytical Service Manager	Annina Van Der Weide
Report electronically validated by:	Gerke Jansen
Client id	HE0015085
Your project name	<i>Cowmanure pellets</i>
Your project number	
Your order number	22720338
Quotationcode	E6XFBX21004805
Batchcode	EUNLHE-00654808
Number of samples	1
Enclosure	
Report date	19 April 2022
Date sampling	23 March 2022
Time sampling	<i>Unknown</i>
Samples received on	7 April 2022
Sample taking Eurofins	No
Sample taker	<i>nvt</i>

Certificate number:	AR-22-HE-106048-01
Sample number:	888-2022-03291105
Start date	7 April 2022
Your sample number:	COW220329
Sample description:	<i>Cow manure pellets</i>
Reception	07-04-2022
Your project name	<i>Cowmanure pellets</i>
Reception condition	Uncooled
Sampler	nvt
Sampling date and time	23-03-2022

#	Lab	TC	Analysis	Unit	Result
	EUNLGR	ZVP91	Quantitative multi pesticide screening GC-MSMS Method: Own method, GC-MS/MS		
			1,4-dimethylnaphthalene	mg/kg	0.021
			Anthraquinone	mg/kg	0.012
			Azoxystrobin	mg/kg	see LC-MS
			Chlorpropham	mg/kg	0.015
			Cypermethrin (sum of isomers)	mg/kg	0.012
			Cyproconazole	mg/kg	0.028
			Cyprodinil	mg/kg	0.070
			Diethofencarb	mg/kg	0.018
			Difenoconazole	mg/kg	see LC-MS
			Fenpropimorph	mg/kg	see LC-MS
			Fludioxonil	mg/kg	0.073
			Flutolanil	mg/kg	0.023
			Myclobutanil (sum of constituent isomers)	mg/kg	see LC-MS
			Napropamide	mg/kg	0.075

The results are only valid for the sample as received. The uncertainty of measurement for the applied methods of analysis are retrievable from the ASM department Opinions and interpretations in this certificate are outside the scope of accreditation. The samples will be stored until 21 days after date of reception. The samples are not stored for microbiological analyzes, unless otherwise agreed with the customer.


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Eurofins Food Testing Netherlands B.V.

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D. Wetjens
 National Division Leader

Batchcode EUNLHE-00654808
 Number of samples 1
 Enclosure

Certificate number: AR-22-HE-106048-01
Sample number: 888-2022-03291105
Start date: 7 April 2022
Your sample number: COW220329
Sample description: Cow manure pellets

#	Lab	TC	Analysis	Unit	Result
#	EUNLGR	ZVP91	Quantitative multi pesticide screening GC-MSMS Method: Own method, GC-MS/MS		
			Other screened pesticides	mg/kg	< L.Q.*
			Phthalimide (PI)	mg/kg	0.046
			Piperonyl butoxide	mg/kg	see LC-MS
			Prothioconazole-desthio	mg/kg	see LC-MS
			Pyrimethanil	mg/kg	see LC-MS
			Pyriproxyfen	mg/kg	0.010
			Tebuconazole	mg/kg	see LC-MS
#	EUNLGR	ZVP92	Quantitative multi pesticide screening LC-MSMS Method: Own method, LC-MS/MS		
			Azoxystrobin	mg/kg	0.043
			Boscalid	mg/kg	0.13
			Cyproconazole	mg/kg	see GC-MS
			Cyprodinil	mg/kg	see GC-MS
			Diethofencarb	mg/kg	see GC-MS
			Difenoconazole	mg/kg	0.45
			Fenpropidin	mg/kg	0.021
			Fluopicolid	mg/kg	0.39
			Fluopyram	mg/kg	1.2
			Fluoxastrobin	mg/kg	0.016
			Fluroxypyr	mg/kg	0.018
			Flutolanil	mg/kg	see GC-MS
			Fluxapyroxad	mg/kg	1.4
			Haloxypop	mg/kg	0.018
			Imazalil (any ratio of constituent isomers)	mg/kg	0.085
			Myclobutanil (sum of constituent isomers)	mg/kg	0.024
			Other screened pesticides	mg/kg	< L.Q.*
			Piperonyl butoxide	mg/kg	0.16
			Prothioconazole-desthio	mg/kg	0.068
			Pyrimethanil	mg/kg	0.034
			Pyriproxyfen	mg/kg	see GC-MS
			Tebuconazole	mg/kg	0.11
			Thiabendazole	mg/kg	1.9

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D. Wetjens
 National Division Leader

Remarks**Sample** 888-2022-03291105

EUNLGR: Folpet cannot be determined in this sample. Because it is not possible to determine Folpet, we cannot determine the origin of Phthalimide either. This is a metabolite of Folpet, which can also occur as an artifact in the product.

Regulation (EC) 396/2005 describes a residue definition for Folpet: \sum of Folpet and Phthalimide, expressed as Folpet. A study by EFSA (EFSA Journal 2014, 12 (5): 3700) describes that Phthalimide can serve as an indicator of active use of the substance Folpet.

Further scientific studies have shown that Phthalimide is often recovered without the presence of Folpet. According to these studies, Phthalimide can be formed by the phthalic anhydride and its acid form in reaction with primary amino groups, which are part of common food products.

The presence of Phthalimide alone does not constitute sufficient information to determine whether Regulation (EC) 396/2005 should be applied.

Legend

Lab	Laboratory	Accreditation
EUNLGR	Eurofins Lab Zeeuws-Vlaanderen	

= Analyses for performing lab but not issuing the certificate

The data in italics is provided by the customer and may affect the validity of the results.

The results are only valid for the sample as received. The uncertainty of measurement for the applied methods of analysis are retrievable from the ASM department Opinions and interpretations in this certificate are outside the scope of accreditation. The samples will be stored until 21 days after date of reception. The samples are not stored for microbiological analyzes, unless otherwise agreed with the customer.

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D. Wetjens
National Division Leader

Documentcode: **DRF-133** Version: **14**
 Title: **Data registration form: Analysis pesticides**
 Author: **J. Cornelisse** Approved by: **D. van Damme** Paraaf:
 Approval date: **22-02-18** Valid from: **01-03-18**
 Belongs to: **WVS-037, -040, -044, -049, -050, -052, -060, -068, -084, -092, -093, -095, -097, -098, -099, -137, -145, -154, -155, -186, -187 and -192. DRF-260 and DRF-266.**

Analysis 1: Pesticides GC-MSMS (GC-MS-Triplequad WVS-092)

Pesticide (active compound)	Reporting limit (mg/kg)	Pesticide (active compound)	Reporting limit (mg/kg)
(3- + 4-) Chloroaniline*	0.05	Bupirimate ^Q	0.01
1-Naphthylacetamide	0.05	Buprofezin ^Q	0.01
1-Naphtol (degradation Carbaryl) ^{Q*}	0.01	Butralin	0.01
1,4-Dimethylnaphthalene	0.01	Cadusafos ^Q	0.01
2,4,6-Trichlorophenol*	0.01	Captafol	0.05 (ECD)
2,6-Dichlorobenzamide (degradation Dichlobenil) ^{Q*}	0.01	Captan	0.01 (ECD)
3,4-Dichloroaniline*	0.02	Carbaryl ^Q	0.01
3,5-Dichloroaniline (degradation Iprodion)*	0.02	Carbofuran ^Q	0.01
4,4-Dichlorobenzophenon (degradation Dicofof)*	0.01	Carbofuran-phenol ^{Q*}	0.01
Acibenzolar-S-methyl	0.01	Carbophenothion	0.01
Aclonifen ^Q	0.01	Carbophenothion-methyl**	0.01
Acrinathrin ^Q	0.01	Chinomethionat	0.01
Alachlor ^Q	0.01	Chlorbufam	0.01
Aldrin ^Q	0.01	Chlordane-cis ^Q	0.01
Allethrin ^Q	0.02	Chlordane-trans ^Q	0.01
Ametryn ^Q	0.01	Chlorfenapyr ^Q	0.01 (ECD)
Aminocarb	0.01	Chlorfenson ^Q	0.01
Amitraz	0.02	Chlorfenvinphos-cis ^Q	0.01
Anthraquinone ^Q	0.01	Chlorfenvinphos-trans ^Q	0.01
Azinphos-ethyl	0.01	Chloridazon	0.05
Azoxystrobin ^Q	0.02	Chlorobenzilate (degradation Dicofof) ^Q	0.01
Benalaxyl ^Q	0.01	Chloroneb	0.01
Bendiocarb	0.01	Chlorothalonil ^Q	0.01
Benfluralin	0.01	Chlorpropham ^Q	0.01
Benfuracarb	as carbofuran	Chlorpyrifos ^Q	0.01
Bifenazate	0.05	Chlorpyrifos-methyl ^Q	0.01
Bifenox ^Q	0.01	Chlorthal-dimethyl ^Q	0.01
Bifenthrin ^Q	0.01	Chlorthiamid	0.20 (ECD)
Biphenyl ^Q	0.01	Chlozolate ^Q	0.01
Bitertanol ^Q	0.01	Clodinafop-propargyl	0.01
Bromacil	0.01 (ECD)	Clomazone ^Q	0.01
Bromocyclen	0.01	Cloquintocet-mexyl	0.01
Bromophos-ethyl ^Q	0.01	Coumafos	0.01
Bromophos-methyl ^Q	0.01	Cyanazine	0.01
Bromopropylate ^Q	0.01	Cyanofenphos	0.01
Bromoxynil-octanoate	0.01	Cyanophos	0.01
Bromuconazole ^Q	0.02	Cycloate	0.01
		Cyfenothrin ^Q	0.05
		Cyfluthrin ^Q	0.01

Pesticide (active compound)	Reporting limit (mg/kg)
Cyhalothrin	0.01
Cypermethrin ^Q	0.01
Cyproconazole ^Q	0.01
Cyprodinil ^Q	0.01
Deltamethrin ^Q	0.01
Demeton-O ^Q	0.01
Demeton-S ^Q	0.01
Demeton-S-methyl	0.01
Desmetryn	0.01
Diazinon ^Q	0.01
Dichlobenil (degradation Chlorthiamid)	0.02
Dichlofenthion ^Q	0.01
Dicloran ^Q	0.01
Dicofol	0.01
Dieldrin ^Q	0.01
Diethofencarb ^Q	0.01
Difenoconazole ^Q	0.01
Diflufenican ^Q	0.01
Dimethipin	0.01
Dimethoate ^Q	0.01
Dimethylaminosulfotoluidide (DMST) ^Q	0.02
Dimethylvinphos	0.01
Diniconazole ^Q	0.01
Dioxabenzofos	0.01
Diphenamide	0.01
Diphenyl ^Q	0.01
Diphenylamine ^Q	0.01
Disulfoton ^Q	0.02
Disulfoton sulfone ^Q	0.01
Disulfoton sulfoxide	0.01
Ditalimfos ^Q	0.01
Endosulfan (alpha-) ^Q	0.01
Endosulfan (beta-) ^Q	0.01
Endosulfan-sulphate ^Q	0.02
Endrin	0.01 (ECD)
EPN ^Q	0.01
Epoxiconazole ^Q	0.01
EPTC	0.01
Etaconazole	0.01
Ethion ^Q	0.01
Ethofumesate ^Q	0.01
Ethoprophos ^Q	0.01
Ethoxyquin	0.01
Etofenprox ^Q	0.01
Etridiazole	0.02 (ECD)
Etrimfos ^Q	0.01
Famoxadone	0.05
Fenarimol ^Q	0.01

Pesticide (active compound)	Reporting limit (mg/kg)
Fenazaquin ^Q	0.01
Fenchlorphos	0.01
Fenfluthrin	0.01
Fenitrothion ^Q	0.01
Fenkapton	0.01
Fenobucarb ^Q	0.01
Fenoxycarb ^Q	0.05
Fenpiclonil ^Q	0.01
Fenpropathrin ^Q	0.01
Fenpropidin ^Q	0.01
Fenpropimorph ^Q	0.01
Fenpyroximate ^Q	0.02
Fenson	0.01
Fensulfothion ^Q	0.01
Fenthion ^Q	0.01
Fenthion sulfoxide ^Q	0.01
Fenvalerate + Esfenvalerate ^Q	0.01
Fipronil ^Q	0.005
Fipronil sulfone	0.005
Fluazifop-butyl ^Q	0.01
Flubenzimine	0.01
Fluchloralin	0.01
Flucythrinate ^Q	0.01
Fludioxonil ^Q	0.01
Fluquinconazole ^Q	0.01
Flurprimidole	0.01
Flusilazole ^Q	0.01
Flutolanil ^Q	0.01
Fluvalinate ^Q	0.01
Folpet	0.01 (ECD)
Fonofos	0.01
Formothion ^Q	0.01
Fthalimide (degradation Folpet)	0.01
Fosthietan	0.01
Fuberidazole	0.01
Furalaxyl ^Q	0.01
Halfenprox	0.01
Haloxypop-ethoxyethyl ^Q	0.01
HCH (alpha-) ^Q	0.01
HCH (beta-)	0.01
HCH (delta-) ^Q	0.01
HCH (gamma-) (= Lindane)	0.01
Heptachlor ^Q	0.01 (ECD)
Heptachlor-endo-epoxide (trans)	0.02
Heptachlor-exo-epoxide (cis)	0.01
Heptenophos ^Q	0.01
Hexachlorobenzene ^Q	0.01
Hexachlorobutadiene ^{Q**}	0.01

Pesticide (active compound)	Reporting limit (mg/kg)	Pesticide (active compound)	Reporting limit (mg/kg)
Hexaconazole ^Q	0.01	o,p'-DDE ^{Q*}	0.01
Hexazinone	0.01	Ofurace ^Q	0.01
Imazethapyr	0.05	Oxadiazon ^Q	0.01
Iodofenphos	0.01	Oxadixyl ^Q	0.02
Iprobenfos	0.01	Oxychlorane*	0.01
Iprodione ^Q	0.01	Oxyfluorfen	0.01
Isazofos	0.01	p,p'-DDD + o,p'-DDT ^Q	0.01
Isocarbophos ^Q	0.01	p,p'-DDE ^Q	0.01
Isodrin ^Q	0.01	p,p'-DDT	0.01
Isofenphos ^Q	0.01	Paraoxon*	0.01
Isofenphos-methyl ^Q	0.01	Paraoxon-methyl	0.01
Isofenphos-oxon (degradation Isofenphos)*	0.01	Parathion ^Q	0.01
Isoprocab	0.01	Parathion-methyl ^Q	0.01
Isoproturon ^Q	0.01	Penconazole ^Q	0.01
Isoxadifen-ethyl	0.01	Pencycuron	0.02
Kresoxim-methyl ^Q	0.01	Pendimethalin ^Q	0.01
Lambda-Cyhalothrin ^Q	0.01	Pentachloroaniline ^Q	0.01
Lenacil ^Q	0.01	Pentachloroanisol ^Q	0.01
Leptofos	0.01	Pentachlorobenzene ^Q	0.01
Malaoxon (degradation Malathion)	0.01	Pentachlorophenol	0.05
Malathion ^Q	0.01	Permethrin-cis ^Q	0.01
Mecarbam ^Q	0.01	Permethrin-trans ^Q	0.01
Mephosfolan ^Q	0.02	Perthaan	0.01
Mepanipyrim ^Q	0.01	Phenothrin ^Q	0.02
Mepronil ^Q	0.01	Phenthoate ^Q	0.01
Metalaxyl ^Q	0.01	Phenylphenol-2 ^Q	0.01
Metazachlor ^Q	0.01	Phosalone ^Q	0.01
Methabenzthiazuron ^Q	0.01	Phospholan	0.02
Methacrifos	0.01	Phosmet ^Q	0.01
Methidathion ^Q	0.01	Picoxystrobin ^Q	0.01
Methiocarb ^Q	0.01	Piperonyl butoxide ^Q	0.01
Methoxychlor	0.01	Pirimicarb ^Q	0.01
Metobromuron	0.01	Pirimicarb-desmethyl ^{Q*}	0.01
Metolachlor-S ^Q	0.01	Pirimicarb-desmethyl- formamido*	0.01
Metolcarb	0.01	Pirimiphos-ethyl ^Q	0.01
Metoprotryn	0.01	Pirimiphos-methyl ^Q	0.01
Metrafenone ^Q	0.01	Procymidone ^Q	0.01
Metribuzin ^Q	0.01	Profenofos ^Q	0.01
Mevinphos ^Q	0.01	Profluralin ^Q	0.01
Mirex	0.02	Profoxydim	0.05
Molinate	0.01	Promecarb ^Q	0.01
Myclobutanil ^Q	0.01	Prometryn ^Q	0.01
Napropamide ^Q	0.01	Propachlor ^Q	0.01
Nitrofen	0.01	Propanil ^Q	0.01
Nitropyrin	0.01	Propargite ^Q	0.02
Nitrothal-Isopropyl	0.01	Propazine ^Q	0.01
Norflurazon	0.01	Propetamphos	0.01
o,p'-DDD ^{Q*}	0.01	Propham ^Q	0.01
		Propiconazole ^Q	0.01

Pesticide (active compound)	Reporting limit (mg/kg)	Pesticide (active compound)	Reporting limit (mg/kg)
Propoxur ^Q	0.01	Tefluthrin ^Q	0.01
Propoxycarbazone	0.05	Telodrin ^Q	0.01
Propyzamide ^Q	0.01	Terbacil	0.01
Prosulfocarb ^Q	0.01	Terbumeton	0.01
Prothioconazole**	0.01	Terbutryn ^Q	0.01
Prothioconazole-desthio	0.01	Terbutylazine ^Q	0.01
Prothiofos ^Q	0.01	Terbutylazine-desethyl*	0.01
Pyraflufen-ethyl	0.01	Tetrachlorovinphos (Z-) ^Q	0.01
Pyrazophos ^Q	0.01	Tetraconazole ^Q	0.01
Pyridaben ^Q	0.01	Tetradifon ^Q	0.01
Pyridaphenthion ^Q	0.01	Tetrahydrofthalimide (degradation captan/captafol)	0.01
Pyrifenox	0.01	Tetramethrin ^Q	0.01
Pyrimethanil ^Q	0.01	Tetrasul	0.01
Pyriproxyfen ^Q	0.01	Tolclofos-methyl ^Q	0.01
Quinalphos ^Q	0.01	Transfluthrin ^Q	0.01
Quinoxifen ^Q	0.01	Triadimefon ^Q	0.01
Quintozene ^Q	0.01	Triadimenol ^Q	0.01
Quizalofop-ethyl	0.01	Tri-allate ^Q	0.01
S 421	0.05	Triazamate ^Q	0.01
Silthiofam	0.01	Triazophos ^Q	0.01
Simazine ^Q	0.01	Trichloronat	0.01
Spiromesifen ^Q	0.01	Trifloxystrobin ^Q	0.01
Spiroxamine ^Q	0.01	Triflumizole ^Q	0.01
Sulfotep	0.01	Trifluralin ^Q	0.01
Sulphur **	0.20	Trinexapac-ethyl	0.01
Sulprofos	0.01	Vinclozolin ^Q	0.01
Tebuconazole ^Q	0.01		
Tebufenpyrad ^Q	0.01		
Tecnazene ^Q	0.01		

The reporting limits mentioned are indicative and can change depending on the matrix and the circumstances of the analysis.

^Q Accredited by the Raad voor Accreditatie (registration number L201).

* These metabolites according to EU regulation 396/2005 will not be reported with an MRL. Only on request this will be reported.

** Only on request these analytes will be reported.

Exceptions of the GC-MSMS analysis concerning the reporting

If a pesticide can't be detected for example due to matrix interference, this will be mentioned on the analysis report with a remark.

ECD: This pesticide is qualified with GC-MSMS. The quantification and confirmation is determined with GC-MSMS.

The GC-MSMS analysis 1 consists of a total number of 323 pesticides.

The accreditation other than fruit and vegetables, will be shown on DRF-260 Flexible scope.

Analysis 2: Pesticides GC-MSMS (GC-MS-Triplequad WVS-192)

Pesticide (active compound)	Reporting limit (mg/kg)	Pesticide (active compound)	Reporting limit (mg/kg)
Acetochlor	0.01	Fenothiocarb	0.01
Aziprotryne	0.05	Fenoxaprop-P-ethyl	0.03
Benazolin-ethylester	0.02	Fenuron	0.05
Benodanil	0.01	Flamprop-isopropyl	0.01
Benzoylprop-ethyl	0.02	Flamprop-methyl	0.02
Bifenazaat-diazeen	0.01	Fluometuron	0.02
Binapacryl	0.05	Flurenol-butyl	0.01
Butylate	0.01	Flurochloridone	0.02
Chlorbenside	0.01	Haloxypop-methyl	0.01
Chlordecone-hydrate	0.01	Hexabromobenzene	0.02
Chlormefos	0.03	Methoprene	0.02
Chloro-4-methyl-3-phenol	0.03	Methoprotryne	0.02
Chlorobenzilate	0.02	Mevinphos	0.01
Chloropropylate	0.02	Mexacarbate	0.03
Chloroxuron	0.03	Monalide	0.02
Crufomate	0.02	Orbencarb	0.01
Cyhalofop-butyl	0.02	Pentanochlor	0.01
Cymiazole	0.01	Piperalin	0.01
Cyprofuram	0.02	Plifenate	0.01
Dazomet	0.02	Propaphos	0.02
Dialifos	0.01	Prothoate	0.03
Di-allate	0.02	Pyroquilon	0.02
Diclofop-methyl	0.01	Resmethrin	0.02
Diethyl-ethyl	0.02	Tebupirimfos	0.01
Difenoxuron	0.05	Tebuthiuron	0.05
Dimethachlor	0.02	TEPP	0.02
Dinobuton	0.02	Triamifos	0.02
Dinoterb	0.02	Trietazine	0.01
Dioxacarb	0.03	Trifenmorph	0.10
Dioxathion	0.05	Vernolate	0.02
Edifenphos	0.02		
Fenfuram	0.02		

The reporting limits mentioned are indicative and can change depending on the matrix and the circumstances of the analysis.

Exceptions of the GC-MS standard concerning the reporting

If a pesticide can't be detected for example due to matrix interference, this will be mentioned on the analysis report with a remark.

The GC-MS analysis 2 consists of a total number of 60 pesticides.

Analysis 3: Pesticides LC-MSMS standard (method WVS-040)

Pesticide (active compound)	Reporting limit (mg/kg)	Pesticide (active compound)	Reporting limit (mg/kg)
4-Bromophenylurea	0.01	Butoxycarboxim ^Q	0.01
6-Benzyladenine	0.01	Buturon ^Q	0.01
Abamectine ^Q	0.01	Caffeine ^{**}	0.05
Acephate ^Q	0.01	Carbaryl ^Q	0.01
Acequinocyl	0.01	Carbendazim ^Q	0.01
Acetamiprid ^Q	0.01	Carbetamide	0.01
Alanycarb	0.01	Carbofuran ^Q	0.001
Aldicarb ^Q	0.01	Carbofuran-3-hydroxy ^Q	0.001
Aldicarb sulfone ^Q	0.01	Carbofuran-3-keto ^{Q*}	0.01
Aldicarb sulfoxide ^Q	0.01	Carbosulfan	0.01
Ametoctradin	0.01	Carboxin	0.01
Aminopyralid	0.25	Carfentrazone-ethyl	0.01
Amisulbrom	0.01	Carpropamide ^Q	0.01
Amitraz ^{***}	0.01	Chlorantraniliprole ^{Q (Rynaxypyr)}	0.01
Amitraz DMA ^{***}	0.05	Chlorbromuron ^Q	0.01
Amitraz DMF ^{***}	0.01	Chlordimeform	0.01
Amitraz DMPF ^{***}	0.01	Chlorfluazuron	0.01
Amitrole	0.50	Chlorotoluron	0.01
Anilazine	0.05	Chloroxuron	0.01
Asulam ^Q	0.01	Chlorthiophos ^Q	0.01
Atrazine ^Q	0.01	Chlorthiophos sulfone ^{Q*}	0.01
Azaconazole ^Q	0.01	Cinnerin	0.01
Azadirachtin	0.01	Clethodim ^Q	0.01
Azamethiphos ^Q	0.01	Climbazol ^Q	0.01
Azimsulfuron ^Q	0.01	Clofentezine ^Q	0.01
Azinphos-methyl ^Q	0.01	Clopyralid	0.50
Azoprotryne	0.05	Clothianidin ^Q	0.01
Azoxystrobin ^Q	0.01	Crimidine ^Q	0.01
Barban	0.01	Cyantraniliprole ^(Cyazypyr)	0.01
Beflubutamid	0.01	Cyazofamid	0.01
Benfuracarb ^Q	as carbofuran	Cycloxydim ^Q	0.01
Benomyl ^Q	as carbendazim	Cyflufenamid ^Q	0.01
Benoxacor ^Q	0.01	Cyflumetofen	0.01
Benthiavalicarb-isopropyl ^Q	0.01	Cymoxanil ^Q	0.01
Benzoximate	0.01	Cyproconazole ^Q	0.01
Bitertanol ^Q	0.01	Cyprodinil ^Q	0.01
Bixafen	0.01	Cyromazine ^{Q***}	0.02
Boscalid ^Q	0.01	Cythioate ^Q	0.01
Bromuconazole ^Q	0.01	Daminozide ^{***}	0.50
Bupirimate ^Q	0.01	DEET ^Q	0.01
Buprofezin ^Q	0.01	Demeton-S-methyl sulfone ^Q	0.01
Butafenacil ^Q	0.01	Demeton-S-methyl sulfoxide (= oxydemeton-methyl) ^Q	0.01
Butocarboxim	0.02	Desmedipham ^Q	0.01
Butocarboxim sulfoxide ^{Q*}	0.01	Diafenthiuron ^Q	0.01

Pesticide (active compound)	Reporting limit (mg/kg)	Pesticide (active compound)	Reporting limit (mg/kg)
Dichlofluanid ^Q	0.01	Fenpyroximate ^Q	0.01
Dichlorvos	0.01	Fenthion ^Q	0.01
Diclobutrazol	0.01	Fenthion-oxon	0.01
Dicrotophos ^Q	0.01	Fenthion-oxon sulfone	0.01
Diethofencarb ^Q	0.01	Fenthion-oxon sulfoxide	0.01
Difenoconazole ^Q	0.01	Fenthion sulfone	0.01
Diflubenzuron ^Q	0.01	Fenthion sulfoxide ^Q	0.01
Dimethenamid ^Q	0.01	Fenuron	0.01
Dimethirimol ^Q	0.01	Flazasulfuron	0.01
Dimethoate ^Q	0.01	Flonicamid ^Q	0.01
Dimethomorph ^Q	0.01	Florasulam ^Q	0.01
Dimethylaminosulfotoluidide (DMST) ^Q	0.01	Fluazifop-P-butyl ^Q	0.01
Dimoxystrobin ^Q	0.01	Flubendiamide ^Q	0.01
Diniconazole ^Q	0.01	Flucycloxuron ^Q	0.01
Dinotefuran ^Q	0.01	Flufenacet ^Q	0.01
Dipropetryn ^Q	0.01	Flufenoxuron ^Q	0.01
Diuron ^Q	0.01	Flumioxazine ^Q	0.01
DMSA ^{Q*}	0.01	Fluopicolide ^Q	0.01
Dodemorph ^Q	0.01	Fluopyram ^Q	0.01
Dodine ^Q	0.01	Fluotrimazol ^Q	0.01
Emamectin (benzoate B1a) ^Q	0.01	Fluoxastrobin ^Q	0.01
Epoxiconazole ^Q	0.01	Fluquinconazole ^Q	0.01
Ethiofencarb ^Q	0.01	Flurochloridone	0.01
Ethiofencarb sulfone ^{Q*}	0.01	Fluroxypyr	0.02
Ethiofencarb sulfoxide ^{Q*}	0.01	Fluroxypyr-1-methylheptylester ^Q	0.01
Ethiprole	0.01	Flurpyridafurone	0.01
Ethirimol ^Q	0.01	Flupyrsulfuron-methyl	0.01
Ethoxysulfuron	0.01	Flusilazole ^Q	0.01
Etofenprox ^Q	0.01	Fluthiacet-methyl	0.01
Etoxazole ^Q	0.01	Flutolanil ^Q	0.01
ETU	0.50	Flutriafol ^Q	0.01
Famophos (= Famphur) ^Q	0.01	Fluxapyroxad	0.01
Famoxadone ^Q	0.01	Foramsulfuron	0.01
Fenamidone ^Q	0.01	Forchlorfenuron	0.01
Fenamiphos ^Q	0.01	Formetanate hydrochloride ^Q	0.01
Fenamiphos sulfone	0.01	Fosetyl-Al ^{***}	0.50
Fenamiphos sulfoxide	0.01	Fosthiazate ^Q	0.01
Fenarimol ^Q	0.02	Furalaxyl ^Q	0.01
Fenazaquin ^Q	0.01	Furathiocarb ^Q	0.01
Fenbuconazole ^Q	0.01	Furmecyclox ^Q	0.02
Fenbutatin oxide ^{***}	0.01	Halofenozide	0.01
Fenhexamid ^Q	0.01	Haloxyfop ^Q	0.01
Fenoxycarb ^Q	0.01	Hexaconazole ^Q	0.01
Fenpropidin ^Q	0.01	Hexaflumuron ^Q	0.01
Fenpropimorph	0.01	Hexythiazox ^Q	0.01
Fenpyrazamine	0.01	Hymexazol ^Q	0.10
		Imazamethabenz-methyl	0.01

Pesticide (active compound)	Reporting limit (mg/kg)	Pesticide (active compound)	Reporting limit (mg/kg)
Imazalil ^Q	0.01	Milbemectin	0.10
Imazamox	0.01	Monocrotophos ^Q	0.01
Imazaquin ^Q	0.01	Monolinuron ^Q	0.01
Imibenconazole ^Q	0.01	Monuron ^Q	0.01
Imidacloprid ^Q	0.01	Myclobutanil ^Q	0.01
Indoxacarb ^Q	0.01	Naled	0.01
Iodosulfuron-methyl	0.01	Neburon	0.01
Iprovalicarb ^Q	0.01	Nicosulfuron	0.01
Isocarbophos ^Q	0.01	Nitenpyram ^Q	0.01
Isoprothiolane ^Q	0.01	Nitralin	0.01
Isopyrazam ^Q	0.01	Novaluron	0.01
Isouron ^Q	0.01	Nuarimol ^Q	0.01
Isoxaben ^Q	0.01	Omethoate ^Q	0.01
Isoxaflutole ^Q	0.01	Oxadixyl ^Q	0.01
Isoxathion ^Q	0.01	Oxamyl ^Q	0.01
Jasmolin	0.01	Oxamyl-Oxime ^{Q*}	0.01
Kresoxim-methyl	0.01	Oxasulfuron	0.01
Lenacil ^Q	0.01	Oxycarboxin ^Q	0.01
Linuron ^Q	0.01	Paclobutrazol ^Q	0.01
Lufenuron ^Q	0.01	Paraoxon-ethyl ^{Q*}	0.01
Malathion ^Q	0.01	Paraoxon-methyl	0.01
Maleic hydrazide ^{Q***}	0.50	Pebulate	0.01
Mandipropamid	0.01	Penconazole ^Q	0.01
Mefenacet ^Q	0.01	Pencycuron ^Q	0.01
Mefenpyr-diethyl ^{Q**}	0.01	Penflufen	0.01
Mepanipyrim ^Q	0.01	Penthiopyrad	0.01
Mephosfolan ^Q	0.01	Phenisopham	0.01
Mepronil	0.01	Phenmedipham ^Q	0.01
Mesosulfuron-methyl	0.01	Phorate	0.01
Mesotrione ^Q	0.02	Phorate sulfone	0.01
Metaflumizone	0.01	Phorate sulfoxide*	0.01
Metalaxyl ^Q	0.01	Phosalone ^Q	0.01
Metaldehyde	0.01	Phosmet ^Q	0.01
Metamitron ^Q	0.01	Phosmet-oxon ^Q	0.01
Metconazole ^Q	0.02	Phosphamidon ^Q	0.01
Methamidophos ^Q	0.01	Phoxim	0.01
Methidathion ^Q	0.01	Picaridin (= Icaridin)**	0.01
Methiocarb (=mercaptodimethur) ^Q	0.01	Picolinafen ^Q	0.01
Methiocarb sulfone ^Q	0.01	Picoxystrobin ^Q	0.01
Methiocarb sulfoxide ^Q	0.01	Pinoxaden	0.01
Methomyl ^Q	0.01	Piperonyl butoxide ^Q	0.01
Methoxyfenozide ^Q	0.01	Pirimicarb ^Q	0.01
Metobromuron ^Q	0.01	Pirimicarb-desmethyl ^{Q*}	0.01
Metosulam	0.01	Prochloraz ^Q	0.01
Metoxuron ^Q	0.01	Prochloraz-desimidazole-amino	0.01
Metsulfuron-methyl	0.02	Prochloraz-desimidazole- formylamino	0.01

Pesticide (active compound)	Reporting limit (mg/kg)	Pesticide (active compound)	Reporting limit (mg/kg)
Profenofos ^Q	0.01	Spirotetramat mono-hydroxy ^Q	0.01
Propamocarb hydrochloride ^Q ***	0.01	Spiroxamine ^Q	0.01
Propaquizafop ^Q	0.01	Sulcotrione ^Q	0.02
Propiconazole ^Q	0.01	Sulfentrazone ^Q	0.02
Propoxur ^Q	0.01	Sulfoxaflor	0.01
Propyzamide ^Q	0.01	Tebuconazole ^Q	0.01
Proquinazid ^Q	0.01	Tebufenozide ^Q	0.01
Prosulfocarb	0.01	Tebufenpyrad ^Q	0.01
Prosulfuron	0.01	Teflubenzuron ^Q	0.01
Prothiocarb	0.01	Tembotrione	0.01
Prothiocarb hydrochloride ^Q	0.01	Tepraloxymid ^Q	0.01
Prothioconazole**	0.01	Terbufos	0.01
Prothioconazole-desthio	0.01	Terbufos sulfone *	0.01
Pymetrozine ^Q	0.01	Terbufos sulfoxide *	0.01
Pyracarbolid	0.01	Terbutylazine	0.01
Pyraclofos	0.01	Terbutylazine-desethyl	0.01
Pyraclostrobin ^Q	0.01	Tetraconazole ^Q	0.01
Pyrazophos ^Q	0.01	Thiabendazole ^Q	0.01
Pyrethrin	0.01	Thiacloprid ^Q	0.01
Pyridaben ^Q	0.01	Thiametoxam ^Q	0.01
Pyridaphenthion ^Q	0.01	Thidiazuron ^Q	0.01
Pyridalyl ^Q	0.01	Thiencarbazone-methyl	0.01
Pyridate ^Q	0.01	Thifensulfuron-methyl	0.01
Pyridate (metabolite) (=6-chloro- 4-hydroxy-3-phenyl-pyridazin) ^Q CL9673	0.01	Thiobencarb ^Q	0.01
Pyrifenox ^Q	0.01	Thiocyclam ^Q	0.05
Pyrimethanil ^Q	0.01	Thiodicarb ^Q	0.01
Pyrimidifen	0.01	Thiofanox	0.01
Pyriproxyfen ^Q	0.01	Thiofanox sulfone ^{Q*}	0.01
Pyroxsulam	0.01	Thiofanox sulfoxide ^{Q*}	0.01
Quinclorac ^Q	0.01	Thiophanate-methyl ^Q	0.01
Quinmerac	0.05	Thiometon	0.01
Quizalofop	0.01	Tolclofos-methyl	0.01
Rimsulfuron	0.01	Tolfenpyrad	0.01
Rotenone ^Q	0.01	Tolyfluanid ^Q	0.01
Saflufenacil	0.01	Tralkoxydim ^Q	0.01
Sethoxydim ^Q	0.01	Triadimefon ^Q	0.01
Silaflofen ^Q	0.01	Triadimenol ^Q	0.01
Simazine ^Q	0.01	Triapenthenol ^Q	0.01
Spinetoram	0.01	Triazophos ^Q	0.01
Spinosad (A and D) ^Q	0.01	Triazoxide	0.01
Spirodiclofen ^Q	0.01	Tribenuron-methyl	0.01
Spirotetramat ^Q	0.01	Trichlorfon ^Q	0.01
Spirotetramat cis-enol ^Q	0.01	Tricyclazole ^Q	0.01
Spirotetramat cis-keto-hydroxy ^Q	0.01	Tridemorph ^Q	0.01
Spirotetramat enol-glucoside	0.05	Trifloxystrobin	0.01
		Triflumizole ^Q	0.01
		Triflumizole-FM-6-1	0.01

Pesticide (active compound)	Reporting limit (mg/kg)	Pesticide (active compound)	Reporting limit (mg/kg)
Triflumuron ^Q	0.01	Uniconazole	0.01
Triflusulfuron-methyl	0.01	Valifenalate	0.01
Triforine ^Q	0.01	Vamidotion ^Q	0.01
Trimethacarb-3,4,5 (=Landrin) ^Q	0.01	Warfarin	0.01
Trinexapac-ethyl ^Q	0.01	XMC	0.01
Triticonazole ^Q	0.01	Zoxamide ^Q	0.01
Tritosulfuron	0.01		

Analysis 4: Pesticides LC-MSMS (method WVS-040)

Pesticide (active compound)	Reporting limit (mg/kg)	Pesticide (active compound)	Reporting limit (mg/kg)
1-Naphthylacetic acid	0.05	Dichlorprop	0.01
1,2,4-Triazole*	0.10	Dinocap ^Q	0.01
2-Naphtyloxyacetic acid	0.01	Dithianon ^Q	0.01
2,4-D ^Q	0.01	Fenoprop (2,4,5-TP)	0.01
2,4-DB	0.01	Fipronil	0.01
2,4,5-T	0.01	Fipronil-sulfone	0.01
2,4,6-Trichlorophenoxy acetic acid*	0.01	Flonicamid TFNA-AM *	0.01
4-CPA (4-chlorophenoxyacetic acid = PCPA)	0.01	Flonicamid-TFNA	0.01
Bentazone ^Q	0.01	Flonicamid-TFNG	0.01
Benzovindiflupyr	0.01	Fluazifop (free acid)	0.01
Bromoxynil	0.01	Fluazinam ^Q	0.01
Chloramben	0.10	Imazamox	0.01
Chlordecone hydrate	0.01	Ioxynil	0.01
Chlorothalonil-4-hydroxy****	0.01	MCPA ^Q	0.01
Chlorthion	0.01	MCPB	0.01
Cyclanilide	0.01	Mecoprop ^Q	0.01
Cyenopyrafen	0.01	Meptyldinocap	0.01
Dicamba	0.05	Picloram	0.10
Dichlorophen	0.01	Prohexadione-calcium	0.05
		Triclopyr	0.01

The reporting limits mentioned are indicative and can change depending on the matrix and the circumstances of the analysis.

- ^Q Accredited by the Raad voor Accreditatie (registration number L201).
- * These metabolites according to EU regulation 396/2005 will not be reported with an MRL. Only on request this will be reported.
- ** Only on request these analytes will be reported.
- *** Quantification take place by separate provision with a single residue method. By request we can report this analyte.
- **** Chlorothalonil-4-hydroxy is a metabolite of Chlorothalonil. This metabolite will be according to EU regulation 396/2005 reported for food of animal origin except honey.
- ***** Caffeine is no pesticide and will be only reported by request.
- ***** 2,4,6-Trichlorophenoxy acetic acid is a metabolite of Prochloraz. This metabolite according to EU regulation 396/2005 will not be reported. On request we can report this metabolite.

Exceptions reporting the LC-MSMS standard analysis.

If a pesticide can't be detected, for example due to matrix interference, this will be mentioned on the analysis report with a remark.

The LC-MSMS analysis 3 and 4 consists of a total number of 415 pesticides.

The accreditation other than fruit and vegetables, will be shown on DRF-260 Flexible scope.

Pesticides: Single residue methods

Pesticide (active compound)	Analysis technique	Reporting limit (mg/kg)
Chlormequat chloride (WVS-037) ^Q	LC-MSMS	0.005
Mepiquat chloride (WVS-037) ^Q	LC-MSMS	0.005
Cyromazine (WVS-037)	LC-MSMS	0.01
Daminozide (WVS-037)	LC-MSMS	0.01
Difenzoquat (WVS-037)	LC-MSMS	0.01
Melamine (WVS-037)	LC-MSMS	0.01
Propamocarb (WVS-037)	LC-MSMS	0.01
Trimethyl-sulfonium (Trimesium) (WVS-037)	LC-MSMS	0.01
Amines (WVS-093)	LC-MSMS	
Morfoline		0.10
Diethanolamine		0.10
Triethanolamine		0.10
Aminomethylpropanol		0.10
N-Diethylethanolamine		0.20
N-Dimethylethanolamine		0.20
Methoxypropylamine		0.20
MDEA		0.10
Organotin compounds (WVS-098)	LC-MSMS	
Azocyclotin (Cyhexatin)		0.01
Cyhexatin		0.01
Fenbutatin oxide		0.01
Fentin		0.01
Quaternaire ammonium compounds (WVS-137)	LC-MSMS	
Benzalkonium chloride (BAC) BAC (C6, C8, C10, C12, C14, C16, C18)		0.01
Didecyldimethylammonium chloride (DDAC) DDAC (C8, C10, C12)		0.01
Benzethonium-chloride		0.01
Biocides (WVS-137)	LC-MSMS	
Bronopol		0.01
BIT		0.10
MIT		0.10
OIT		0.01

Pesticide (active compound)	Analysis technique	Reporting limit (mg/kg)
Amitraz (WVS-040)	LC-MSMS	
Amitraz		0.01
DMA (2,4-Dimethylaniline)		0.01
DMF (2,4-Dimethylphenyl-Formamide)		0.01
DMPF (2,4-Dimethylphenyl-Formamidine)		0.01
Glyphosate (WVS-145)^Q	LC-MSMS	0.01
Glyphosate		0.01
Glufosinate-ammonium (Glufosinate, N-Acetyl-Glufosinate en 3-MPPA)		0.01
AMPA		0.01
Fosethyl Aluminium (WVS-145)	LC-MSMS	
Fosethyl Aluminium		0.01
Phosphonic acid		0.10
Perchlorate (WVS-084)^Q	LC-MSMS	0.01
Chlorate (WVS-084)^Q	LC-MSMS	0.01
Guazatine (WVS-186)	LC-MSMS	0.01
Ethephon (WVS-145)^Q	LC-MSMS	0.01
Ethephon (WVS-050)^Q	GC - FID	0.05
Wax type (WVS-097)	GC - FID	
Carnaubawax		Qualitative
Beeswax		Qualitative
Montanwax		Qualitative
Luwax LG		Qualitative
Luwax E		Qualitative
Paraffin wax		Qualitative
Candelilla wax		Qualitative
Dithiocarbamates (sum) (WVS-052)^Q	HS-GC-MS	0.05 mg CS ₂ / kg
Methylbromide (WVS-068)	HS-GC-MS	0.05
Inorganic bromide (WVS-154)^Q	GC-ITD	5.0
Nitrate (WVS-049) *^Q (NEN-EN 12014-7)	Spectrophotometric	10
Nitrate (WVS-044) *^Q (NEN-EN 12014-2)	Ionchromatography	50
Diquat (WVS-155)	LC-MSMS	0.02
Paraquat (WVS-155)	LC-MSMS	0.02

Pesticide (active compound)	Analysis technique	Reporting limit (mg/kg)
Sulfite (WVS-099) ^Q (NEN-EN 1988-1) Method according to optimized Monier-Williams	Titrimetric	5
Metals (WVS-187) ^Q (NEN-EN-ISO 13805 and 17294-2)	ICP-MS	
Arsenic		0.02
Cadmium		0.01
Lead		0.01
Mercury		0.01
Chrome		0.02
Copper		0.02
Nickel		0.05
Tin		0.01
Zinc		0.10
(Other elements are possible on request)**		

^Q Accredited by the Raad voor Accreditatie (registration number L201).

* Nitrate is analysed with 2 different techniques. The pre-treatment for both techniques is the same. Nitrate is detected Spectrophotometric, unless the samples are analysed for QS. QS obligates laboratories to determine nitrate with ion chromatography.

** Testing other elements (heavy metals) is matrix dependent.