


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>UKAS TESTING 2640</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Tentamus QTS Analytical Ltd</h3> <p>Issue No: 021 Issue date: 12 October 2018</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>FOODS and FOOD PRODUCTS</p> <p>Fruit and vegetables High Water High Acid</p> <p>Fruit and Vegetables Berries</p> <p>Fresh Grapes</p> <p>Fruit and Vegetables (unspecified)</p> <p>Fruit and Vegetables</p>	<p><u>Chemical Tests</u></p> <p>Detection, quantification and confirmation of pesticide residues</p> <p>Boscalid Ethoxyquin, Fenhexamid Fludioxonil Mepariprym Terbutryne Trietazine,</p> <p>Chlormequat</p> <p>Ethephon</p> <p>Organochlorine Pesticides Synthetic Pyrethroids Organophosphorus Pesticides Organonitrogen Pesticides Refer to Table 1</p> <p>Organochlorine Pesticides Synthetic Pyrethroids Organophosphorus Pesticides Organonitrogen Pesticides Refer to Table 2.</p>	<p>Documented In-House Methods</p> <p>Methods developed and validated following the Flexible Scope Protocol QTSQ024:QTSM010 following solvent extraction using QTSM002</p> <p>QTSM001 using solvent extraction (M002) followed by Gas Chromatography with Mass Spectrometry (GC-MS)</p> <p>QTSM011 solvent extraction (M004) followed by Liquid Chromatography with Mass Spectrometry (LC-MS/MS)</p> <p>QTSM013 solvent extraction (M004) followed LC-MS/MS</p> <p>QTSM001 using GC-MS</p> <p>QTSM010 using LC-MS/MS</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOODS and FOOD PRODUCTS (cont'd)	<u>Chemical Tests</u> (cont'd)	
Fruit and Vegetables (cont'd)	Dithiocarbamates measured as Carbon Disulphide	QTSM005 using GC-MS
Fruit and Vegetables High water content; High acid content and high water content.	Pesticide Residue Screen Refer to Table 3.	QTMSM020 using QuEChERS extraction (M022) followed by LC-MS/MS
	Pesticide Residue Screen Refer to Table 4.	QTMSM021 using QuEChERS extraction (M022) followed by GC-MS/MS
Fruit and Vegetables High acid content and high water content.	2,4-Dichlorophenoxyacetic acid (2,4D) 4-(2,4-dichlorophenoxy)butyric acid (2,4 DB) 2,4 D esters 2,4 DB esters	QTMSM014 by LC-MS/MS
Fruit	Morpholine	QTMSM011 solvent extraction (M004) followed by by LC-MS/MS
END		

Table 1:

QTSM001 using Solvent Extraction followed by GC-MS		
2,6-Dichloroaniline	Butralin	Dichlofluanid
2-Hydroxybiphenyl	Carbaryl	Dichloran
Aclonifen	Carbofuran	Dichlorvos
a-HCH	Carbophenothion	Dieldrin
Aldrin	Chlorfenvinphos	Diethofencarb
Atrazine	Chlorobenzilate	Dimethoate
Azaconazole	Chlorothalonil	Diphenamid
Azoxystrobin	Chlorpropham	Diphenylaminr
Benalaxyl	Chlorpyrifos	Disulfoton
Bendiocarb	Chlorpyrifos-methyl	Disulfoton Sulfone
beta-HCH	Chlorthal-dimethyl	Endosulfan Sulfate
Bifenthrin	Chlortalonate	Endosulfan-I
Biphenyl	cis-Chlordane	Endosulfan-II
Bitertanol	Coumaphos	Endrin
Bromophos-ethyl	Cyfluthrin	EPN
Bromophos-methyl	Cypermethrin	Ethion



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QTSM001 using Solvent Extraction followed by GC-MS		
Bromopropylate	Cyproconazole	Ethoprofos
Bupirimate	Cyprodinil	Etrifos
Buprofezin	Diazinon	Fenarimol
Fenclorphos	Mevinphos	Propanil
Fenitrothion	Monocrotophos	Propetamiphos
Fenpropathrin	Myclobutanil	Propham
Fenpropimorph	Napropamide	Propiconazole
Fenson	Norflurazon	Propoxur
Fenthion	Ofurace	Propyzamide
Fenvalerate	Omethoate	Prothiofos
Fipronil	op-DDD	Pyraclostrobin
Fluazifop-butyl	op-DDE	Pyridaben
Flucythrinate-l	Oxadiazinon	Pyrimethanil
Flusilazole	Oxadixyl	Pyriproxyfen
Furalaxyl	Oxyfluorfen	Quinalphos
Heptachlor	Parathion-ethyl	Quintozene
Heptachlor epoxide	Parathion-methyl	Tebuconazole
Heptenophos	Penconazole	Tebufenpyrad
Hexachlorobenzene	Pendimethalin	Tefluthrin
Hexaconazole	Pentachloroaniline	Terbuthylazine
Imazalil	Permethrin	Tetrachlorvinphos
Iprodione	Phenthoate	Tetradifon
Isocarbophos	Phosalone	Thiabendazole
Isofenphos	Phosfolan	Tolclofos-methyl
Isofenphos-methyl	Picoxystrobin	Tolyfluanide
Kresoxim-mrthyl	Piperonyl-butoxide	trans-Chlordane
lambda-Cyhalothrin	Pirimicarb	Triadimefon
Lindane	Pirimiphos-ethyl	Triadimenol
Malathion	Pirimiphos-methyl	Tri-allate
MCPA thioethyl	pp-DDD	Triazophos
Mecarbam	pp-DDE	Trichlorfon
Metalaxyl	pp-DDT	Trietazine
Methacrifos	Prochloraz	Trifloxystrobin
Methidathion	Procymidone	Trifluralin
Methoxychlor	Profenofos	Vinclozolin
Metolachlor	Prometryn	
Metribuzin	Propachlor	
END OF LIST		

Table 2:

QTSM010 using solvent Extraction followed by LC-MS/MS		
Abamectin	Bifenazate	Dimethachlor
Acephate	Bromacil	Dimethanamid
Acetamiprid	Carbendazim	Dioxathion
Acrinathrin	Chloridazon	Epoxiconazole
Aldicarb	Chlorotoluron	Etoxazole
Aldicarbsulfone	Clomazone	Fenamidon
Aldicarbsulfoxide	Clothianidin	Fenazaquin



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QTSM010 using solvent Extraction followed by LC-MS/MS		
Ametoctradin	Cyromazine	Fenbuconazole
Aminocarb	Desmedipham	Fenpropidin
Benthiavalicarb	Difenoconazole	Fenpyroximate
Flufenacet	Methiocarb	Quizalofop-ethyl
Flurtamone	Methomyl	Rotenone
Flutriafol	Methoxyfenozide	Spirodiclofen
Fosthiazate	Metribuzin	Spiromesifen
Hexythiazox	Molinate	Sulfotep
Imibenconazole	Nitenpyram	Tebufenozide
Imidacloprid	Omethoate	Tetraconazole
Indoxacarb	Oxamyl	Thiacloprid
Isoproturon	Pencycuron	Thiamethoxam
Isoxaben	Phosfolan	Thidiazuron
Linuron	Phosphamidon	Thiodicarb
Malaoxon	Phoxim	Tralkoxydim
Mephosfolan	Promecarb	Tridemorph
Metamitron	Pymetrozine	Triflumizole
Metazachlor	Pyrifenoxy	Vamidothion
END OF LIST		

Table 3:

QTSM020 using QuEChERs extraction followed by LC-MS/MS		
Acephate	Boscalid	Climbazole
Acetamiprid	Bromacil	Clofentezine
Acibenzolar-S-methyl	Bromfeninphos	Clomazone
Aclonifen	Bromuconazole	Clothianidin
Acrinathrin2	Bupirimate	Coumaphos
Alachlor	Buprofezin	Cyanazine
Aldoxycarb	Butocarboxim sulfoxide	Cyanofenphos
Allethrin	Butoxycarboxim	Cyazofamid
Ametryn	Cadusafos	Cyflufenamid
Amidosulfuron	Carbendazim	Cyflumetofen
Aminocarb	Carbofuran	Cyhalothrin,lambda
Amisulbrom	Carbophenothion	Cymoxanil
Amitraz Metabolite DMPF	Carbophenothion-methyl	Cypermethrin
Amitraz-metabolite DMF	Carboxin	Cyproconazole
Azaconazole	Carfentrazone-ethyl	Cyprodinil
Azinphos-ethyl	Chlorantraniliprole	Deltamethrin
Azinphos-methyl	Chlorbromuron	Demeton-S-methyl-sulfone
Azoxystrobin	Chlorfeninphos	Desmedipham
BAC C16	Chlorfluazuron	Dialifos
Benalaxyl	Chloridazon	Diazinon
Bendiocarb	Chlorotoluron	Dichlofenthion
Benodanil	Chloroxuron	Dichlofluanid
Benoxacor	Chlorpyrifos-methyl	Dichlorbenzamide
Bensulfuron-methyl	Chlorsulfuron	Diclobutrazole
Bentazone	Chlorthiophos	Diclofop-methyl
Benthiavalicarb isopropyl	Chromafenozide	Dicrotophos



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QTSM020 using QuEChERS extraction followed by LC-MS/MS

BifenoX	Cinosulfuron	Diethofencarb
Bifenthrin	Clethodim1	Difenoconazole
Bixafen	Clethodim2	DifenoXuron
Diflovidazin	Fenthion-oxon-sulfone	Isoxaben
Dimethenamid	Fenthion-oxon-sulfoxide	Isoxathion
Dimethoate	Fenthion-sulfoxide	Kresoxim-methyl
Dimethomorph	Fenuron	Lenacil
Dimoxystrobin	Flamprop-methyl	Linuron
Diniconazole	Flazasulfuron	Lufenuron
Dinotefuran	Flonicamid	Malaoxon
Dioxacarb	Fluazifop free acid	Malathion
Dioxathion	Fluazifop-p-butyl	Mandipropamid
Diphenamid	Flufenacet	Mecarbam
Dipropetryn	Flufenoxuron	Mefenpyr-diethyl
Disulfoton-sulfone	Flumioxazin	Mepanipyrim
Disulfoton-sulfoxide	Fluopicolide	Mepronil
Diuron	Fluopyram	Mesosulfuron-methyl
DMST	Flurochloridone	Metaflumizone
Dodemorph	Flusilazole	Metamitron
Edifenphos	Flutolanil	Metazachlor
EPN	Flutriafol	Metconazole
Epoxiconazole	Fluxapyroxad	Methabenzthiazuron
Ethiofencarb	Forchlorfenuron	Methacrifos
Ethiofencarb sulfone	Fosthiazate	Methamidophos
Ethiofencarb-sulfoxide	Fuberidazole	Methidathion
Ethion	Furametapyr	Methiocarb
Ethirimol	Furathiocarb	Methiocarb-sulfoxide
Etofenprox	Halfenprox	Methomyl
EtoXazole	Halosulfuron-methyl	MethoxyfenoZide
Etrimfos	Haloxypop methyl	Metobromuron
Famoxadone	Haloxypop-2-ethoxyethyl	Metobromeron
Famphur	Heptenophos	Metolachlor
Fenamiphos	Hexaconazole	Metolcarb
Fenamiphos-sulfone	Hexazinone	Metosulam
Fenamiphos-sulfoxide	Hexythiazox	Metoxuron
Fenazaquin	Icaridin (Picaridin)	Metrafenone
Fenbutatinoxide	Imazalil	Metribuzin
Fenclorazole-ethyl	Imazosulfuron	Mevinphos
Fenhexamid	Imidacloprid	MGK 264a
Fenitrothion	Indoxacarb	MGK 264b
Fenobucarb	Iodosulfuronmethyl	Molinate
Fenoxycarb	Iprobenfos	Monalide
Fenpropathrin	Iprovalicarb	Monocrotophos
Fenpropidin	Isazophos	Monolinuron
Fenpropimorph	Isofenphos	Myclobutanil
Fenpyrazamine	Isofenphos-methyl	Nicosulfuron
Fenpyroximate	Isofenphos-oxon	Nitenpyram
Fensulfothion	Isomethiozin	Nitralin
Fensulfothion-oxon	Isoprocab	Novaluron



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Fensulfothion-oxon-sulfon	Isoprothiolane	Nuarimol
Fensulfothion-sulfone	Isoproturon	Omethoate
Fenthion-oxon	Isopyrazam	Oxadiazon
Oxadixyl	Proquinazid	Tetraconazole
Oxamyl	Prosulfocarb	Tetramethrin
Oxamyl-oxime	Prothioconazole-desthio	Thiabendazole
Oxydemeton-methyl	Prothiofos	Thiabendazole-5-hydroxy
Paclobutrazole	Pyraclostrobin	Thiacloprid
Paraoxon-ethyl	Pyraflufen-ethyl	Thiamethoxam
Paraoxon-methyl	Pyrazophos	Thiobencarb
Parathion-ethyl	Pyrethrin (jasmolin)	Thiodicarb
Penconazole	Pyrethrin-I	Thiofanox-sulfoxide
Pencycuron	Pyrethrin-II	Tolclofos-methyl
Pendimethalin	Pyridaben	Tolfenpyrad
Penthiopyrad	Pyridalyl	Tolyfluanid
Permethrin1	Pyridaphenthion	Tralkoxydim
Permethrin2	Pyridate	Triadimefon
Pethoxamid	Pyridate (metabolite)	Triasulfuron
Phenmedipham	Pyrimethanil	Triazamate
Phenothrin	Pyrimidifen	Triazophos
Phenthoate	Pyriproxifen	Triazoxide
Phorate	Quinalphos	Tricyclazole
Phorat-sulfone	Quinmerac	Tridemorph
Phorat-sulfoxide	Quinoxifen	Trifloxystrobin
Phosalone	Quizalofop-ethyl	Triflumizole
Phosmet 1	Rotenone	Triflumizole-metabolite
Phoxim	Sebuthylazine	Trimethacarb
Picoxystrobin	Spirodiclofen	Triticonazole
Piperophos	Spirotetramat	Tritosulfuron
Pirimicarb	Spirotetramat-cis-keto-hydroxy	Valiphenal
Pirimicarb-desmethyl	Spirotetramat-enol	Vamidothion
Pirimicarb-desmethyl-formamido	Spirotetramat-enol-glucoside	
Pirimiphos-ethyl	Spirotetramat-mono-hydroxy	
Pirimiphos-methyl	Spiroxamine	
Prallethrin	Sulcotrione	
Prochloraz	Sulfosulfuron	
Prochloraz-desimidazol-formamido	Sulfotep	
Profenofos	Tebuconazole	
Promecarb	Tebufenozide	
Prometryn	Tebufenpyrad	
Propamocarb	Tebutam	
Propaquizafop	Tebuthiuron	
Propargite	Terbufos	
Propazine	Terbufos-sulfoxide	
Propetamophos	Terbumeton	
Propiconazole	Terbuthylazine	
Propoxur	Terbutryn	
Propyzamide	Tetrachlorvinphos	
END OF LIST		



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Table 4:

QTSM021 using QuEChERS extraction followed by GC-MS/MS		
Aldrin	Anthraquinone	Atrazine
Azaconazole	BHC-alpha (benzene hexachloride)	BHC-delta
BHC-gamma (Lindane, gamma HCH)	Bromocyclen	Bromophos
Bromopropylate	Chinomethionate (Oxythioquinox)	Chlordane-oxy
Chlordane-trans (gamma)	Chlorfenapyr	Chlorfenson
Chlorobenzilate	Chlorothalonil	Chlorpyrifos
Chlorpyrifos-methyl	Chlorthion	Chlozolate
Cyprodinil	DCPA (Dacthal, Chlorthal-dimethyl)	DDD-p,p'
DDE-o,p'	DDE-p,p'	Desmetryn
Diallate I	Dibromobenzophenone, 4,4'-	Dicloran (Dichloran)
Dieldrin	Diphenylamine	Endosulfan II (beta isomer)
Endosulfan sulfate	Endrin	Etaconazole I
Ethalfuralin	Ethofumesate	Fenarimol
Fenitrothion	Fenson	Fluchloralin
Fludioxonil	Flumetralin	Flurenol-butyl
Fonofos	Heptachlor exo-epoxide (isomer B)	Hydroprene
Iodofenphos (Jodfenphos)	Isodrin	Leptophos
Mirex	Parathion-methyl	Pentachloroaniline
Phenylphenol, 2-	Phosphamidon I	Procymidone
Profluralin	Propachlor	Propanil (DCPA)
Quintozene	Ronnel (Fenchlorphos)	Spiromesifen
TDCPP	Tefluthrin, cis-	Tetradifon
Tetrahydrophthalimide, cis-1,2,3,6-	Tetrasul	Transfluthrin
Triallate	Trichloronat	Trifluralin
Vinclozolin		
END OF LIST		