Schedule of Accreditation

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Tentamus QTS Analytical Ltd

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Testing performed at the above address only

DETAIL OF ACCREDITATION

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

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOODS and FOOD PRODUCTS (cont'd)	Chemical Tests (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
END		

Table 1:

QTSM001 using Solvent Extraction followed by GC-MS		
2,6-Dichloroaniline	2-Hydroxybiphenyl	Aclonifen
a-HCH	Aldrin	Atrazine
Azaconazole	Azoxystrobin	Benalaxyl
Bendiocarb	beta-HCH	Bifenthrin
Biphenyl	Bitertanol	
Bromophos-methyl	Bromopropylate	Bupirimate
Buprofezin	Butralin	Carbaryl
Carbofuran	Carbophenothion	Chlorfenvinphos
Chlorobenzilate	Chlorothalonil	Chlorpropham
Chlorpyrifos	Chlorpyrifos-methyl	Chlorthal-dimethyl
Chlozolinate	cis-Chlordane	Coumaphos
Cyfluthrin	Cypermethrin	Cyproconazole
Cyprodinil	Diazinon	Dichlofluanid
Dichloran	Dichlorvos	Dieldrin

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

Table 2:

QTSM010 using solvent Extraction followed by LC-MS/MS		
Abamectin	Acephate	Acetamiprid
Acrinathrin	Aldicarb	Aldicarbsulfone
Aldicarbsulfoxide	Ametoctradin	Aminocarb
Benthiavalicarb	Bifenazate	Bromacil
Carbendazim	Chloridazon	Chlorotoluron
Clomazone	Clothianidin	Cyromazine
Desmedipham	Difenoconazole	Dimethachlor
Dimethanamid	Dioxathion	Epoxiconazole
Etoxazole	Fenamidone	Fenazaquin
Fenbuconazole	Fenpropidin	Fenpyroximate
Flufenacet	Flurtamone	Flutriafol
Fosthiazate	Hexythiazox	Imibenconazole
Imidacloprid	Indoxacarb	Isoproturon
Isoxaben	Linuron	Malaoxon
Mephosfolan	Metamitron	Metazachlor
Methiocarb	Methomyl	Methoxyfenozide
Metribuzin	Molinate	Nitenpyram
Omethoate	Oxamyl	Pencycuron
Phosfolan	Phosphamidon	Phoxim
Promecarb	Pymetrozine	Pyrifenox
Quizalofop-ethyl	Rotenone	Spirodiclofen
Spiromesifen	Sulfotep	Sulfoxaflor
Tebufenozide	Terbutryn	Tetraconazole
Thiacloprid	Thiamethoxam	Thidiazuron
Thiodicarb	Tralkoxydim	Tridemorph
Triflumizole	Vamidothion	
END OF LIST		

Table 3:

QTSM020 using QuEChERs extraction followed by LC-MS/MS		
Acephate	Acetamiprid	Acibenzolar-S-methyl
Aclonifen	Acrinathrin2	Alachlor
Aldoxycarb	Allethrin	Ametryn
Amidosulfuron	Aminocarb	Amisulbrom
		Azaconazole
Azinphos-ethyl	Azinphos-methyl	Azoxystrobin
BAC C16	Benalaxyl	Bendiocarb
Benodanil	Benoxacor	Bensulfuron-methyl
Bentazone	Benthiavalicarb isopropyl	Bifenox

QTSM020 using QuEChERs extraction followed by LC-MS/MS		
Bifenthrin	Bixafen	Boscalid
Bromacil	Bromfenvinphos	Bromuconazole
Bupirimate	Buprofezin	Butocarboxim sulfoxide
Butoxycarboxim	Cadusafos	Carbendazim
Carbofuran	Carbophenothion	
Carboxin	Carfentrazone-ethyl	Chlorantraniliprole
Chlorbromuron	Chlorfenvinphos	Chlorfluazuron
Chloridazon	Chlorotoluron	Chloroxuron
Chlorpyrifos-methyl	Chlorsulfuron	Chlorthiophos
Chromafenozide	Cinosulfuron	Clethodim1
Clethodim2	Climbazole	Clofentezine
Clomazone	Clothianidin	Coumaphos
Cyanazine	Cyanofenphos	Cyazofamid
Cyflufenamid	Cyflumetofen	Cyhalothrin,lambda
Cymoxanil	Cypermethrin	Cyproconazole
Cyprodinil	Deltamethrin	Demeton-S-methyl-sulfone
Desmedipham	Dialifos	Diazinon
Dichlofenthion	Dichlofluanid	Dichlorbenzamide
Diclobutrazole	Diclofop-methyl	Dicrotophos
Diethofencarb	Difenoconazole	Difenoxuron
Diflovidazin	Dimethenamid	Dimethoate
Dimethomorph	Dimoxystrobin	Diniconazole
Dinotefuran	Dioxacarb	Dioxathion
Diphenamid	Dipropetryn	Disulfoton-sulfone
Disulfoton-sulfoxide	Diuron	DMST
Dodemorph	Edifenphos	EPN
Epoxiconazole	Ethiofencarb	Ethiofencarb sulfone
Ethiofencarb-sulfoxide	Ethion	Ethirimol
Etofenprox	Etoxazole	Etrimfos
Famoxadone	Famphur	Fenamiphos
Fenamiphos-sulfone	Fenamiphos-sulfoxide	Fenazaquin
Fenbutatinoxide	Fenchlorazole-ethyl	Fenhexamid
Fenitrothion	Fenobucarb	Fenoxycarb
Fenpropathrin	Fenpropidin	Fenpropimorph
Fenpyrazamine	Fenpyroximate	Fensulfothion
Fensulfothion-oxon	Fensulfothion-oxon-sulfon	Fensulfothion-sulfone
Fenthion-oxon	Fenthion-oxon-sulfone	Fenthion-oxon-sulfoxide
Fenthion-sulfoxide	Fenuron	Flamprop-methyl
Flazasulfuron	Flonicamid	Fluazifop free acid
Fluazifop-p-butyl	Flufenacet	Flufenoxuron
Flumioxazin	Fluopicolide	Fluopyram

QTSM020 using QuEChERs extraction followed by LC-MS/MS		
Flurochloridone	Flusilazole	Flutolanil
Flutriafol	Fluxapyroxad	Forchlorfenuron
Fosthiazate	Fuberidazole	Furametapyr
Furathiocarb	Halfenprox	Halosulfuron-methyl
Haloxyfop methyl	Haloxyfop-2-ethoxyethyl	Heptenophos
Hexaconazole	Hexazinone	Hexythiazox
Icaridin (Picaridin)	Imazalil	Imazosulfuron
Imidacloprid	Indoxacarb	Iodosulfuronmethyl
Iprobenfos	Iprovalicarb	Isazophos
Isofenphos	Isofenphos-methyl	Isofenphos-oxon
Isomethiozin	Isoprocarb	Isoprothiolane
Isoproturon	Isopyrazam	Isoxaben
Isoxathion	Kresoxim-methyl	Lenacil
Linuron	Lufenuron	Malaoxon
Malathion	Mandipropamid	Mecarbam
Mefenpyr-diethyl	Mepanipyrim	Mepronil
Mesosulfuron-methyl	Metaflumizone	Metamitron
Metazachlor	Metconazole	Methabenzthiazuron
Methacrifos		Methidathion
Methiocarb	Methiocarb-sulfoxide	Methomyl
Methoxyfenozide	Metobromuron	Metobrumeron
Metolachlor	Metolcarb	Metosulam
Metoxuron	Metrafenone	Metribuzin
Mevinphos	MGK 264a	MGK 264b
Molinate	Monalide	Monocrotophos
Monolinuron	Myclobutanil	Nicosulfuron
Nitenpyram	Nitralin	Novaluron
Nuarimol	Omethoate	Oxadiazon
Oxadixyl	Oxamyl	Oxamyl-oxime
Oxydemeton-methyl	Paclobutrazole	Paraoxon-ethyl
Paraoxon-methyl	Parathion-ethyl	Penconazole
Pencycuron	Pendimethalin	Penthiopyrad
Permethrin1	Permethrin2	Pethoxamid
Phenmedipham	Phenothrin	Phenthoate
Phorate	Phorat-sulfone	Phorat-sulfoxide
Phosalone		Phoxim
Picoxystrobin	Piperophos	Pirimicarb
Pirimicarb-desmethyl	Pirimicarb-desmethyl-formamido	Pirimiphos-ethyl
Pirimiphos-methyl	Prallethrin	Prochloraz
Prochloraz-desimidazol-formamido	Profenofos	Promecarb
Prometryn	Propachlor	Propamocarb

QTSM020 using QuEChERs extraction followed by LC-MS/MS		
Propanil	Propaquizafop	Propargite
Propazine	Propetamiphos	Propetamophos
Propham	Propiconazole	Propoxur
Propyzamide	Proquinazid	Prosulfocarb
Prothioconazole-desthio	Prothiofos	Pyraclostrobin
Pyraflufen-ethyl	Pyrazophos	Pyrethrin (jasmolin)
Pyrethrin-I	Pyrethrin-II	Pyridaben
Pyridalyl	Pyridaphenthion	Pyridate
Pyridate (metabolite)	Pyrimethanil	Pyrimidifen
Pyriproxifen	Pyriproxyfen	Quinalphos
Quinmerac	Quinoxyfen	Quintozene
Quizalofop-ethyl	Rotenone	Sebuthylazine
Spirodiclofen	Spirotetramat	Spirotetramat-cis-keto-hydroxy
Spirotetramat-enol	Spirotetramat-enol-glucoside	Spirotetramat-mono-hydroxy
Spiroxamine	Sulcotrione	Sulfosulfuron
Sulfotep	Tebuconazole	Tebufenozide
Tebufenpyrad	Tebutam	Tebuthiuron
Tefluthrin	Terbufos	Terbufos-sulfoxide
Terbumeton	Terbuthylazine	Terbutryn
Tetrachlorvinphos	Tetraconazole	Tetradifon
Tetramethrin	Thiabendazole	
Thiacloprid	Thiamethoxam	Thiobencarb
Thiodicarb	Thiofanox-sulfoxide	Tolclofos-methyl
Tolfenpyrad	Tolylfluanid	Tolylfluanide
Tralkoxydim	trans-Chlordane	Triadimefon
Triadimenol	Tri-allate	Triasulfuron
Triazamate	Triazophos	Triazoxide
Trichlorfon	Tricyclazole	Tridemorph
Trietazine	Trifloxystrobin	Triflumizole
Triflumizole-metabolite	Trifluralin	Trimethacarb
Triticonazole	Tritosulfuron	Valiphenal
Vamidothion	Vinclozolin	
END OF LIST		

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	Chlozolinate
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
Ethalfluralin	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		