

**MSQ+MLQ-USA (Z-Cypermethrin)**

**Limit of Quantitation (LOQ):** 0.01 mg/kg (ppm)

**Sample Types:** High Water and Low Fat Content Samples

**Minimum Sample Size:** 100 grams (~1/4 pound). Certain products require more for better sample representation.

**Instrument:** GC-MS/MS and LC-MS/MS

**Turnaround:** 48 hours

**Accreditation:** Part of AGQ USA's ISO/IEC 17025 Accreditation Scope

Abamectin	Dicrotophos	Hymexazol	Pirimiphos-Ethyl
Acephate	Dieldrin (SP)	Imazalil	Pirimiphos-Methyl
Acetamiprid (SP)	Dieldrin Sum	Imazamox	Prochloraz (SP)
Acetochlor	Diethofencarb	Imidacloprid (SP)	Procymidone
Aclonifen	Difenoconazole	Indoxacarb	Profenofos
Acrinathrin	Diflubenzuron	Ioxynil (SP)	Profluralin
Alachlor	Diflufenican	Iprodione	Prometryn
Aldicarb	Dimethoate (SP)	Iprovalicarb	Propamocarb
Aldicarb (Sum)	Dimethoate Sum	Isazofos	Propanil
Aldicarb Sulfone	Dimethomorph	Isocarbophos	Propaquizafop
Aldicarb Sulfoxide	Diniconazole	Isopenfos	Propargite
Aldrin (SP)	Dinobuton	Isophenfos Methyl	Prophan
Ametrine	Dinocap (SP)	isoproturon	Propiconazole
Amitraz (SP)	Diphenylamine	Isoxaben	Propoxur
Atrazine	Disulfoton	Kresoxim Methyl	Propyzamide
Azinphos-ethyl	Disulfoton (Sum)	Lambda-Cyhalothrin	Proquinazid
Azinphos-methyl	Disulfoton Sulfone	Lenacile	Prosulfocarb
Azoxystrobin	Disulfoton Sulfoxide	Lindane	Prothiofos
Benalaxyl (SP)	Ditalimfos	Linuron	Pymetrozine
Ben-Carb-TPM (Sum)	Diuron	Lufenuron	Pyraclostrobin
Bendiocarb	Dodemorfol	Malathion (SP)	Pyrazophos
Benfluralin	Dodine	Mandipropamid	Pyridaben
Benfuracarb	Emamectin Benzoate	MCPA	Pyridaphenthion
Benomyl-Carbendazim	Endosulfan (A+B+Sulf)	Mecarbam	Pyridate
Bentazone (SP)	Endosulfan Alfa	Mefenoxam	Pyrifenox
Benthiavalicarb Isopropyl	Endosulfan Beta	Mepanipyrim (SP)	Pyrimethanil
Bifenazate	Endosulfan Sulfate	Mepronil	Pyriproxyfen
Bifenthrin	Endrin	Metaflumizone	Quinalphos
Biphenyl	Epoxiconazole	Metalochlor	Quinclorac
Biterthanol	Ethalfluralin	Metamitron	Quinmerac
Boscalid	Ethiofencarb	Metazachlor	Quinoxifen
Bromacil	Ethion	Methacrifos	Quintozene
Bromophos-methyl	Ethiprole	Methamidophos	Quintozene Sum
Bromopropylate	Ethofumesate (SP)	Methidathion	Quizalofop (SP)
Bromoxynil	Ethoprophos	Methiocarb (SP)	Rimsulfuron
Bromuconazole	Ethoxyquin	Metholcarb	Rotenone
Bupirimate (SP)	Etopenprox	Methomyl (SP)	Simazine
Buprofezin	Etoazole	Methomyl Sum	Spinetoram
Butocarboxim	Etridiazol	Methoxychlor	Spinosad (A+D)

**MSQ+MLQ-USA (Z-Cypermethrin)**

Cadusaphos	Etrinfos	Methoxyfenozide	Spirodiclofen
Captafol	Famoxadone	Metoxuron	Spiromesifen
Captan	Febutatin Oxide	Metrafenone	Spirotetramat
Carbaryl	Fenamidone	Metribuzin	Spiroxamine
Carbophenothion	Fenamiphos (SP)	Mevinphos	Sulcotrione
Carbophuran (SP)	Fenarimol	Mirex	Sulfotep
Carbosulfan	Fenazaquin	Molinate	Tau-Fluvalinate
Chinomethionat	Fenbuconazol	Monocrotophos	Tebuconazole
Chlopyralid	Fenhexamide	Monolinuron	Tebufenozide
Chlorantraniliprole	Fenitrothion	Myclobutanil	Tebufenpyrad
Chlordane	Fenoxycarb	Naled (SP)	Tecnazene
Chlorfenapyr	Fenpropathrin	Naled (Sum)	Teflubenzuron
Chlorfenvinphos	Fenpropidin	Napropamide	Tefluthrin
Chloridazon	Fenpropimorph	Nicosulfuron	Terbacil
Chlorobenzilate	Fenpyroximate	Nitenpyram	Terbufos
Chloropropylate	Fensulfothion	Novaluron	Terbutylazine
Chlorothalonil	Fenthion (SP)	Nuarimol	Terbutryn
Chlorotoluron	Fenvalerate+Esfenvalerate	o,p-DDT	Tetrachlorvinphos
Chlorpropham (SP)	Fipronil (SP)	Ofurace	Tetraconazole
Chlorpyrifos Ethyl	Flazasulfuron	Omethoate (SP)	Tetradifon
Chlorpyrifos Methyl	Flonicamid (SP)	o-Phenylphenol	Tetramethrin
Chlortal-dimetil	Fluazifop Butyl	Oxadiargyl	Thiabendazole
Cletodym	Fluazinam	Oxadiazon	Thiacloprid
Clofentezine	Flubendiamide	Oxadixyl	Thiamethoxam
Clomazone	Flucythrinate	Oxamyl	Thiamethoxam Sum
Clothianidin (SP)	Fludioxonil	Oxycarboxin	Thiocyclam
Cyazofamid	Flufenacet	Oxyfluorfen	Thiodicarb (SP)
Cycloxydim (SP)	Flufenoxuron	p,p-DDE	Thiometon
Cyfluthrin	Fluometuron	Paclobutrazol	Thiophanate Methyl (SP)
Cymoxanil	Fluopicolide	Parathion Ethyl	Tolclofos Methyl
Cyproconazole	Fluotrimazole	Parathion Methyl (SP)	Tolylfluanid (SP)
Cyprodinil	Fluquinconazol	Penconazole	Transfluthin
Cyromazine	Flusilazole	Pencycuron	Triadimefon (SP)
DDD-pp+DDT-pp	Flutolanil	Pendimethalin	Triadimenol (SP)
Deltamethrin	Flutriafol	Pentachloroaniline	Triadimenol+Triadimefon
Demeton (SP)	Folpet	Pentachloroanisole	Triazophos
Demeton-S-Methyl Sulfoxide	Fonofos	Pentachlorobenzene	Trichlorfon
Desmedipham	Forchlorfenuron	Permethrin	Triclopyr
Diafenturion	Formetanate	Phenmediphan	Tricyclazole
Diazinon	Fosthiazate	Phenthoate	Tridemorph
Dichlobenil	Furalaxyl	Phorate	Trifloxystrobin
Dichlofenthion	Furathiocarb	Phorate (Sum)	Triflumizole (SP)
Dichlofluanid	Heptachlor (SP)	Phorate Sulfone	Triflururon
Dichlormid	Heptenophos	Phorate Sulfoxide	Trifluralin
Dichloroprop	Hexachlorobenzene	Phosalone	Triforine

**MSQ+MLQ-USA (Z-Cypermethrin)**

Dichlorvos	Hexachlorobutadiene	Phosmet (SP)	Uniconazole-p
Diclofop	Hexaconazole	Picoxystrobin	Vinclozolin (SP)
Dicloran	Hexaflumuron	Piperonyl Butoxide	Zeta-Cypermethrin
Dicofol	Hexythiazox	Pirimicarb (SP)	Zoxamide

Sums are performed for regulatory compliance interpretation assistance for specific markets. See below:

Aldicarb (Sum): Aldicarb + Aldicarb Sulfone + Aldicarb Sulfoxide

Ben-Carb-TPM (Sum): Benomyl-Carbendazim + Thiophanate Methyl

Dieldrin (Sum): Aldrin + Dieldrin

Dimethoate (Sum): Dimethoate + Omethoate

Disulfoton (Sum): Disulfoton + Disulfuton Sulfone + Disulfuton Sulfoxide

Endosulfan (A+B+Sulf): Endosulfan A + Endosulfan B + Endosulfan Sulphate

Naled (Sum): Naled + Dichlorvos

Phorate (Sum): Phorate + Phorate Sulfone + Phorate Sulfoxide

Quintozene (Sum): Quintozene + Pentachloroaniline

Thiamethoxam (Sum): Thiamethoxam + Clothianidin