



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ADAMSON ANALYTICAL LABORATORIES INC. dba QSI AMERICA

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CHEMICAL

Valid To: May 31, 2021

Certificate Number: 5183.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on personal care products, food, dietary supplements, and raw materials:

Test	Test Method(s)
10-HDA by HPLC/UV	D-3215
13C Isotope, Honey and Agave by EA/IRMS	AOAC 998.12, D-3231
Acidity by Titrimetric Method	D-3220
Camphor, Menthol by GC/FID	D-3053
Clotrimazole by HPLC/UV	D-3213
Color Determination by HANNA Colorimeter	D-3224
Determination of Antibiotics in Honey by LC-MS/MS (Multimethod for Sulfonamides, Trimethoprim, Tetracyclines, Fluoroquinolones, Macrolide, Lincosamides, Tylosines, Nitroimidazoles)	D-3229
Determination of Smoke Taint in Grapes and Grape Products by Measurement of Guaiacols by GC-MS/MS	D-3238
Heavy Metals Analysis by ICP-MS (Arsenic, Cadmium, Lead, Mercury)	D-3232
HMF in Honey by HPLC/UV	D-3218
Honey and Agave Sample Preparation by H-NMR	D-3225
Lidocaine by HPLC/UV	D-3214
Methyl anthranilate by HPLC/UV	D-3219
Nitrofurans and Amphenicol Residues in Honey by LC-MS/MS	D-3228
Nitrofurans and Amphenicol Residues in Protein-based Products by LC-MS/MS	D-3226
Electrical Conductivity by Conductometer	D-3217

Test	Test Method(s)
Pesticide Multimethod in Food by GC-MS/MS ² and LC-MS/MS ³	QUECHERS prEN 15662, D-3235
Polar Pesticide Multimethod in Food by GC-MS/MS and LC-MS/MS ¹	QuPPE, D-3236
Sugar Profile by HPLC/RI	D-3221
Titanium Oxide, Zinc Oxide by ICP-MS	D-3230

PHYSICAL

Test	Test Method
Moisture in Honey by Refractometry	D-3222
Viscosity by Rotational Viscometer	D-3223

PESTICIDE LIST ANNEX

¹ The following polar pesticides are tested using the method/technology identified:

BAC C12	Chlorate	DDAC C10
Glufosinate	Glyphosate	Perchlorate

² The following pesticides are tested using the method/technology identified:

1,4-Dimethylnaphthalin	Chlozolinat	Fenfluthrin	Naled
2,4,6 Trichloranisol	Cycloat	Fenitrothion	Nitrofen
2,4,6 Trichlorphenol	Cyfluthrin	Fenson	Nitrothal-isopropyl
2,5-Biphenyldiol	Cypermethrin	Fenvalerat / Esfenvalerat (RR+SS)	Oxychlordan
Aldrin	DDD, op`-	Fenvalerat / Esfenvalerat (RS+SR)	Paclobutrazol
Anthrachinon	DDD, pp`-	Fluchloralin	Pentachloranilin
Atrazin	DDE, op`-	Flumethralin	Pentachloranisol
Atrazin-desethyl	DDE, pp`-	Fluorodifen	Pentachlorbenzol
Azaconazol	DDT, op`-	Fluortrimazole	Perthan
Benfluralin	DDT, pp`-	Flurenol-butyl	Phencapton
Bifenazat	Deltamethrin	Flurenol-methyl-ester	Phenylphenol, ortho-
Biphenyl	Desmetryn	Folpet	Phosalon
Bitertanol	Diallat	Fonofos	Phosphamidon
Bromocyclen	Diazinon	Genite	Phthalimid (metabolit Folpet)
Bromophosethyl	Dibrombenzophenon, 4,4'	HCH, alpha-	Procymidon
Bromophosmethyl	Dichlobenil	HCH, beta-	Profluralin
Brompropylat	Dichlorobenzophenone, 2,4'	HCH, delta-	Propachlor
Bromuconazol	Dichlorobenzophenone, 4,4'	HCH, gamma-(Lindan)	Propanil
Captafol	Dichlorvos (DDVP)	Heptachlor	Quintozen
Captan	Dicloran	Heptachlorepoxid;cis	S 421
Chinomethionat	Dicofol-o,p`	Heptachlorepoxid;trans	Spirodiclofen

Chlorbenside	Dicofol-o,p`	Hexachlorbenzol (HCB)	Spiromesifen
Chlorbenzilat	Dieldrin	Hydroprene	Tau-Fluvalinat
Chlordan-alpha	Difenoconazol	Indoxacarb	Tecnacen
Chlordan-gamma	Diniconazol	Iodfenphos	Tefluthrin
Chlordimeform	Dinobuton	Iprodion	Terbazil
Chlorfenapyr	Diphenylamin	Isobenzan	Tetradifon
Chlorfenpropmethyl	Endosulfan-alpha	Isocarbofos	Tetrahydrophthalimid (Metabolit Captan)
Chlorfenson	Endosulfan-beta	Isodrin	Tetrasul
Chlorfenvinphos	Endosulfansulfat	Isofenphos-oxon	Transfluthrin
Chlorflurenol-methyl	Endrin	Isopropalin	Triadimenol
Chlormephos	Epoxiconazol	lambda-Cyhalothrin	Triallat
Chloroneb	Esbiothrin	Leptophos	Trichloronat
Chlorpropham	Etaconazol	Methacrifos	Trifluralin
Chlorpropylat	Ethalfuralin	Methamidophos	Vinclozolin
Chlorpyrifos-methyl	Etridiazol	Methidation	Zoxamid
Chlorthal-dimethyl	Famoxadon	Methoxychlor	
Chlorthalonil	Fenarimol	Mirex	
Chlorthion	Fenchlorphos	Monocrotophos	

³ The following pesticides are tested using the method/technology identified:

2,4- D	2,4,5-T	2,4-DB	2,4-DP (Dichlorprop)
2,6-Dichlorbenzamid (Metab. Diclobenil)	2-Naphthoxyacetic acid	3- Hydroxycarbofuran	3,4,5-Trimethacarb (Landrin)
4-Bromphenylurea (metabolit Metobromuron)	4-CPA	Acephat	Acequinocyl
Acetamiprid	Acetochlor	Acibenzolar acid	Acibenzolar-S-methyl
Acifluorfen	Aclonifen	Acrinathrin	Alachlor
Aldicarb	Aldicarb-sulfoxid	Aldoxycarb (Aldicarb- sulfon)	Allethrin
Ametoctradin	Ametryn	Amidosulfuron	Aminocarb
Aminopyralid	Amisulbrom	Amitraz	Amitraz Metabolit DMA (2,4-Dimethylanilin)
Amitraz Metabolit DMF	Amitraz Metabolit DMPF	Asulam	Atrazin
Atrazin-desethyl	Avermectin B _{1a}	Avermectin B _{1b}	Azaconazol
Azadirachtin	Azamethiophos	Azimsulfuron	Azinphos-ethyl
Azinphos-methy	Azoxystrobin	Beflubutamid	Benalaxyl
Bendiocarb	Benfuracarb	Benodanil	Benomyl
Benoxacor	Bensulfuron-methyl	Bentazon	Bentazon-6-OH
Bentazon-8-OH	Benthiavalicarb-isopropyl	Benzovindiflupyr	Bifenazat-diazene
Bifenox	Bifenthrin	Bispyribac	Bitertanol
Bixafen	Boscalid	Bromacil	Bromadialon
Bromfenvinphos	Bromoxynil	Bromuconazol	Bupirimat
Buprofezin	Butafenacil	Butocarboxim	Butocarboxim-sulfoxid
Butoxycarboxim	Cadusafos	Carbaryl	Carbendazim
Carbetamide	Carbofuran	Carbophenothion	Carbophenthionmethyl
Carbosulfan	Carboxin	Carfentrazom-ethyl	Chloranthraniliprol (Rynaxapyr)
Chlorbromuron	Chlorbufam	Chlordecon	Chlordimeform
Chlorfenvinphos	Chlorfluazuron	Chloridazon (Pyrazon)	Chloridazon-desphenyl
Chlorotoluron	Chloroxuron	Chlorpropham	Chlorpyrifosethyl

Chlorpyrifos-methyl	Chlorpyrifos-Methyl-Desmethyl	Chlorsulfuron	Chlorthiophos
Chromafenozid	Cinosulfuron	Clethodim	Clethodim-sulfon
Clethodim-sulfoxid	Climbazol	Clodinafop	Clofentezin
Clomazone	Clopyralid	Clothianidin	Coumafos
Crimidine	Cyanazin	Cyanofenphos	Cyanophos
Cyantraniliprol	Cyazofamid	Cyclanilid	Cyclaniliprol
Cycloxydim	Cyflufenamid	Cyflumethofen	Cyfluthrin
Cyhexatin	Cymiazol	Cymoxanil	Cypermethrin
Cyproconazol	Cyprodinil	Cyromazine	Dalapon
Daminozid	Dazomet	Deltamethrin	Demeton-S-Methyl
Demeton-S-Methyl-Sulfon	Desmedipham	Diafenthiuron	Dialifos
Diazinon	Dicamba	Dichlofenthion	Dichlofluanid
Dichlorphen	Dichlorvos (DDVP)	Diclobutrazol	Diclofop-methyl
Dicloran	Dicrotophos	Diethofencarb	Diethyltoluamid (DEET)
Difenoconazol	Difenoxuron	Difloroacetic acid	Diflubenzuron
Diflufenican	Dimefox	Dimefuron	Dimethachlor
Dimethenamid	Dimethoat	Dimethomorph	Dimoxystrobin
Diniconazol	Dinocap	Dinoseb	Dinotefuran
Dinoterb	Dioxacarb	Dioxathion	Diphenamid
Dipropetryn	Disulfoton	Disulfoton-sulfon	Disulfoton-sulfoxid
Ditalimfos	Dithianon	Diuron	DMST (metabolit Tolyfluanid)
Dodemorph	Dodin	Edifenphos	Emamectin b1(a)
Emamectin b1(b)	Endosulfansulfat	Endrin	EPN
Epoxiconazol	EPTC	Ethametsulfuron-methyl	Ethiofencarb
Ethiofencarb Sulfon	Ethiofencarbsulfoxid	Ethion	Ethiprole
Ethirimol	Ethofumesat	Ethoprophos	Ethoxyquin
Ethoxysulfuron	Etofenprox	Etoxazol	Etrimfos
Famoxadon	Fenamidon	Fenamiphos	Fenamiphos-sulfon
Fenamiphos-sulfoxid	Fenarimol	Fenazaquin	Fenbuconazol
Fenbutatin-oxid	Fenchlorazo-ethyl	Fenhexamid	Fenitrothion
Fenobucarb	Fenoprop (2,4,5-TP)	Fenoxaprop-ethyl	Fenoxycarb
Fenpiclonil	Fenpicoxamid	Fenpropathrin	Fenpropidin
Fenpropimorph	Fenpyrazamin	Fenpyroximat	Fensulfothion
Fensulfothion-oxon	Fensulfothion-oxon-sulfon	Fensulfothion-sulfon	Fenthion
Fenthion-oxon	Fenthion-oxon-sulfon	Fenthion-oxon-sulfoxid	Fenthionsulfon
Fenthionsulfoxid	Fentin	Fenuron	Fenvalerat/Esfenvalerat (RR+SS)
Fenvalerat/Esfenvalerat (RS+SR)	Fipronil	Fipronil-desulfonyl	Fipronil-sulfid
Fipronil-sulfon	Flamprop-methyl	Flazasulfuron	Flonicamid
Flonicamid-Metabolit, 4-Trifluoromethylnicotinic Acid (TFNA)	Flonicamid-Metabolit, N-4-Trifluoromethylnicotinoyl Glycine (TFNG)	Florasulam	Fluazifop (free acid)
Fluazifop- P-butyl	Fluazinam	Flubendiamid	Flucythrinat
Fludioxonil	Fluensulfon	Flufenacet	Flufenoxuron
Flufenzin	Flumethrin	Flumioxazin	Fluometuron
Fluopicolid	Fluopyram	Fluoxastrobin	Fluoxypyr
Fluoxypyr-1-methylheptylester	Flupyradifuron	Flupyrsulfuron-methyl	Fluquinconazol

Flurochloridon	Flurtamone	Flusilazol	Fluthiazet-methyl
Flutolanil	Flutriafol	Fluxapyroxad	Fomesafen
Foramsulfuron	Forchlorfenuron	Formetanat	Formothion
Fosthiazat	Fuberidazol	Furametapyr	Furathiocarb

Halfenprox	Halosulfuron methyl	Haloxifop	Haloxifop-ethoxyethyl
Haloxifop-methyl	Heptenophos	Hexaconazol	Hexaflumeron
Hexazinon	Hexythiazox	Icaridin (Picaridin)	Imazalil
Imazamox	Imazapic	Imazapyr	Imazaquin
Imazethapyr	Imazosulfuron	Imidacloprid	Indaziflam
Indoxacarb	Iodosulfuron-methyl	Ioxynil	Ipconazol
Iprobenfos	prodion	Iprovalicarb	Isazophos
Isofenphos	Isofenphos-methyl	Isofetamid	Isomethiozin
Isoprocarb	Isoprothiolane	Isoproturon	Isopyrazam
Isoxaben	Isoxaflutole	Isoxathion	Ivermectin
Kresoxim-methyl	Lambda-cyhalothrin	Lenacil	Linuron
Lufenuron	Malaoxon	Malathion	Mandestrobin
Mandipropamid	Matrine	MCPA	MCPB
Mecarbam	Mecoprop- P	Mefenpyr-diethyl	Mepanipyrim
Mepronil	Meptyldinocap	Mesosulfuron-methyl	Mesotrione
Metaflumizone	Metalaxyl	Metamitron	Metazachlor
Metazachlor ESA (metabolit 479M08)	Metazachlor metabolit M16	Metazachlor OA (metabolit 479M04)	Metbromuron
Metconazol	Methabenzthiazuron	Methacrifos	Methamidophos
Methidation	Methiocarb (mercaptodimethur)	Methiocarbsulfon	Methiocarbsulfoxid
Methomyl	Methoprene	Methotrion	Methoxyfenozid
Metolachlor	Metolcarb	Metosulam	Metoxuron
Metrafenon	Metribuzin	Metsulfuron-methyl	Mevinphos
MGK 264	Milbemectin A3	Milbemectin A4	Molinat
Monalide	Monocrotophos	Monolinuron	Monuron
Myclobutanil	Naphthaleneacetic acid amide	Napropamid	Nicosulfuron
Nitenpyram	Nitralin	Norfluazuron	Novaluron
Nuarimol	Omethoat	Oryzalin	Oxadiargyl
Oxadiazon	Oxadixyl	Oxamyl	Oxamyl-oxime
Oxathiapiprolin	Oxycarboxin	Oxydemeton-methyl	Oxyfluorfen
Oxymatrine	Paclobutrazol	Paraoxon-ethyl	Paraoxon-methyl
Parathion-ethyl	Parathion-methyl	Penconazol	Pencycuron
Pendimethalin	Penthiopyrad	Permethrin	Pethoxamid
Phenmedipham	Phenothrin	Phenthoate	Phorat
Phorat-sulfon	Phorat-sulfoxid	Phosalon	Phosmet
Phosmet-oxon	Phoxim	Picloram	Picolinafen
Picoxystrobin	Pinoxaden	Piperonyl butoxide	Piperophos
Pirimicarb	Pirimicarb-desmethyl	Pirimicarb-desmethyl- formamido	Pirimiphos-ethyl
Pirimiphos-methyl	Prallethrin	Primisulfuron-methyl	Prochloraz
Prochloraz-desimidazol- formylamino	Prochoraz-desimidazol- amino	Profenophos	Prohexadion
Promecarb	Prometryn	Propamocarb	Propamocarb-N- desmethyl
Propamocarb-N-oxid	Propaquizafop	Propargit	Propazin
Propetamophos	Propham	Propiconazol	Propisochlor

Propoxur	Propoxycarbazone	Propyzamid	Proquinazid
Prosulfocarb	Prosulfuron	Prothioconazol	Prothioconazol-desthio
Prothiophos	Pydiflumitofen	Pymetrozin	Pyraclostrobin
Pyraflufen-ethyl	Pyrazophos	Pyrethrine	Pyridaben
Pyridalyl	Pyridaphenthion	Pyridat	Pyridat Metabolit
Pyrifenoxy	Pyrimethanil	Pyrimidifen	Pyriofenon
Pyriproxyfen	Quinalphos	Quinclorac	Quinmerac
Quinoxifen	Quizalofop	Quizalofop-ethyl	Quizalofop-p-terfuryl
Resmethrin	Rimsulfuron	Rotenon	Saflufenacil
Sebutylazin	Sedaxan	Sethoxydim	Simazin
Spinetoram	Spinosad (Mix of Spinosyn A, Spinosyn D)	Spirodiclofen	Spirotetramat
Spirotetramat-enol	Spirotetramat-enolglycosid	Spirotetramat-ketohydroxy	Spirotetramat-monohydroxy
Spiroxamin	Sulcotrion	Sulfentrazon	Sulfosulfuron
Sulfotep	Sulfoxaflor	Tau-fluvalinat	Tebuconazol
Tebufenozid	Tebufenpyrad	Tebutam	Tebuthiuron
Teflubenzuron	Tembotrion	Tepraloxydim	Terbufos
Terbufos-sulfon	Terbufos-sulfoxid	Terbumeton	Terbutylazin
Terbutryn	Tetrachlorvinphos-(Z)	Tetraconazol	Tetramethrin
Thiabendazol	Thiacloprid	Thiametoxam	Thifensulferon-methyl
Thiobencarb	Thiocyclam	Thiodicarb	Thiofanox
Thiofanox-sulfon	Thiofanox-sulfoxid	Thionazin	Thiophanat-methyl
Tiocarbazil	Tioxazafen	Tolclofosmethyl	Tolfenpyrad
Tolyfluanid	Tralkoxydim	Triadimefon	Triadimenol
Triallat	Triasulfuron	Triazamat	Triazophos
Triazoxide	Tribenuron-methyl	Trichlorfon	Triclopyr
Tricyclazol	Tridemorph	Trifloxystrobin	Triflumizol
Triflumuron	Triflumzole-metabolit FM-6-1(N-(4-chloro-2-trifluoromethylphenyl)-n-propoxyacetamide)	Triflusulfuron-methyl	Triforine
Trinexapac-ethyl	Triticonazol	Tritosulfuron	Valifenalat
Vamidothion	Zoxamid		



Accredited Laboratory

A2LA has accredited

ADAMSON ANALYTICAL LABORATORIES INC. dba QSI AMERICA

Corona, CA

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to *joint ISO-ILAC-IAF Communiqué dated April 2017*).



Presented this 10th day of July 2019

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5183.02
Valid to May 31, 2021

For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.