



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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CHEMICAL

Valid To: September 30, 2025

Certificate Number: 4317.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the FDA Laboratory Accreditation for Analyses of Foods, contained in FDA Document Number 2021-257161), accreditation is granted to this laboratory to perform the following tests on food, and agricultural products:

<u>Test(s)/Technology</u>	<u>Matrix(ces)</u>	<u>Reference Method</u>	<u>Test Method</u>
Acrylamide in Food	Agricultural Products and Foods	-----	AE-ACRI
Detection of Gliadin and Estimation of Gluten Concentration in Gluten Free Food by Enzyme-Linked Immunosorbent Assay (ELISA)	Agricultural Products and Foods	Official R5 Mendez Method: Sandwich ELISA to Quantify Prolamines from Wheat, Rye and Barley in e.g. Food Declared as Gluten-Free	AE-GE
Determination of Sesame Allergen using Enzyme-Linked Immunoabsorption Test (ELISA)	Food and Surfaces	-----	AE-ALEAJ
Determination of Almond Allergen using Enzyme-Linked Immunoabsorption Test (ELISA)	Food and Surfaces	-----	AE-ALEAM
Determination of Peanut Allergen using Enzyme-Linked Immunoabsorption Test (ELISA)	Food and Surfaces	-----	AE-ALECA
Determination of Coconut Allergen using Enzyme-Linked Immunoabsorption Test (ELISA)	Food and Surfaces	-----	AE-ALECO

<u>Test(s)/Technology</u>	<u>Matrix(ces)</u>	<u>Reference Method</u>	<u>Test Method</u>
Determination of Crustacean Allergen using Enzyme-Linked Immunoabsorption Test (ELISA)	Food and Surfaces	-----	AE-ALECR
Determination of Egg Allergen using Enzyme-Linked Immunoabsorption Test (ELISA)	Food and Surfaces	-----	AE-ALEHV
Determination of Milk Allergen using Enzyme-Linked Immunoabsorption Test (ELISA)	Food and Surfaces	-----	AE-ALELH
Determination of Pecan Nuts Allergen using Enzyme-Linked Immunoabsorption Test (ELISA)	Food and Surfaces	-----	AE-ALENP
Determination of Fish Allergen using Enzyme-Linked Immunoabsorption Test (ELISA)	Food and Surfaces	-----	AE-ALEPS
Determination of Soy Allergen using Enzyme-Linked Immunoabsorption Test (ELISA)	Food and Surfaces	-----	AE-ALESY
Determination of Ashes by Gravimetric Method	Agricultural Products and Foods	NMX-F-607-NORMEX-2020	AE-CEA
Determination of Cholesterol by GC/FID	Raw Materials and Food	-----	AE-COA
Determination of Dietary Fiber by Enzymatic-Gravimetric	Agricultural Products and Foods	Internal Method NOM-086-SSA1-1994 and ANKOM application note.	AE-FDT
Determination of Ethereal Extract by Soxhlet Method	Agricultural Products and Foods	NMX-F-615-NORMEX-2018	AE-EXET
Determination of Fatty Acid Profile by GC/FID ²	Raw Materials and Food	AOAC 2012.13	AE-GS

<u>Test(s)/Technology</u>	<u>Matrix(ces)</u>	<u>Reference Method</u>	<u>Test Method</u>
Determination of Heavy Metals by ICP-MS As Cd Cr Hg Pb	Drinking Water	EPA 6020A	AE-IMAG
Determination of Metals by ICP-OES ¹ Al As Be Cd Co Cr Cu Fe Hg Mn Ni Pb V Zn	Agricultural Products and Foods	EPA 6010C	AE-MA
Determination of Metals by ICP-OES ¹ Ca Fe K Na	Agricultural Products and Foods	EPA 6010C	AE-MPTN
Determination of Moisture by Sand Method	Agricultural Products and Foods	NOM-116-SSA1-1994	AE-HAA
Determination of Mycotoxins by UHPLC MS/MS ¹ Aflatoxins (B1, B2, G1 And G2) DON Fumonisin (B1, B2 and B3) HT-2 TOXIN Ochratoxin A T-2 TOXIN Zeranolone	Agricultural Products and Foods	Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS.” Varga E1, Glauner T, Köppen R, Mayer K, Sulyok M, Schuhmacher R, Krska R, Berthiller F. Anal Bioanal Chem. 2012 Mar;402(9):2675-86. doi: 10.1007/s00216-012-5757-5.	AE-MIC
Determination of Pesticide Residues (Incorporating QuEChERS Extraction) by GC-MS/MS (number of molecules 231) ^{1,3}	Agricultural Foods, Fruits, Legumes, and Seeds	AOAC 2007.01	AE-GC

<u>Test(s)/Technology</u>	<u>Matrix(ces)</u>	<u>Reference Method</u>	<u>Test Method</u>
Determination of Pesticide Residues (Incorporating QuEChERS Extraction) by LC-MS/MS (number of molecules 282) ^{1,4}	Agricultural Foods, Fruits, Legumes, and Seeds	AOAC 2007.01	AE-LC
Determination of Polar Pesticides by LC-MSMS (QuPPE-Method) Cyanuric Acid Ethephon Ethylene Thiourea Glyphosate Maleic Hydrazide	Agricultural Foods, Fruits, Legumes, and Seeds	EURL-SRM Quick Method for the Analysis of Numerous High Polar Pesticides by LC-MS/MS Involving Simultaneous Extraction with Methanol	AE-PPOL
Determination of Proteins by Kjeldahl Method	Agricultural Products and Foods	NMX-F-608-NORMEX-2011	AE-PRC
Determination of Sugars by Liquid Chromatography (HPLC-RID) ¹ Fructose Glucose Lactose Maltose Sucrose	Agricultural Products and Foods	Agilent Zorbax Carbohydrate Application; Analysis Column, 2015	AE-AH
Determination of Vitamin A, (Retinol Palmitate, β -carotene), Vitamin E (DL- α -Tocopherol), Vitamin D, and Vitamin K by HPLC-DAD	Agricultural Products and Foods	Internal Method Application Note analysis	AE-VD
Determination of Vitamins by HPLC-DAD Vitamin B1 (Thiamin) Vitamin B2 (Riboflavin) Vitamin B3 (Niacin) Vitamin B5 (Pantothenic Acid) Vitamin B6 (Pyridoxine) Vitamin B9 (Folic Acid) Vitamin C (Ascorbic Acid)	Agricultural Products and Foods	-----	AE-VBC
Determination of Vitamin B12 (Cobalamin) and Biotin by HPLC-DAD	Agricultural Products and Foods	-----	AE-VB

¹These methods have been assessed by A2LA according to A2LA's FDA LAAF Program requirements. Please visit <https://datadashboard.fda.gov/ora/fd/laaf.htm> for a list of current LAAF-Accredited Laboratories.

²Determination of Fatty Acid Profile by GC/FID

Butyric acid (C4:0),	γ -Linolenic acid (C18:3n6),
Caproic acid (C6:0),	Linolenic acid (C18:3n3),
Caprylic acid (C8:0),	Arachidic acid (C20:0),
Capric acid (C10:0),	cis-11-Eicosenoic acid (C20:1),
Lauric acid (C12:0),	Heneicosanoic acid (C21:0),
Myristic acid C14:0,	cis-11,14-Eicosadienoic acid (C20:2),
Myristoleic acid (C14:1),	cis-8,11,14-Eicosatrienoic acid (C20:3n6),
Pentadecanoic acid (C15:0),	Arachidonic acid (C20:4n6),
cis-10-Pentadecenoic acid (C15:1),	cis-11-14-17-Eicosatrienoic acid (C20:3n3),
Palmitic acid (C16:0),	Behenic acid (C22:0),
Palmitoleic acid (C16:1),	Erucic acid (C22:1n9),
Heptadecanoic acid (C17:0),	cis-5,8,11,14,17-Eicosapentaenoic acid (C20:5n3),
cis-10-Heptadecenoic (C17:1),	Tricosanoic acid (C23:0),
Stearic acid (C18:0),	cis-13,16-Docosadienoic acid (C22:2n6),
Elaidic acid (C18:1 TFA) (C18:1n9t),	Lignoceric acid (C24:0),
Oleic acid (C18:1n9c),	Nervonic acid (C24:1n9),
Linolelaidic acid (C18:2 TFA)(C18:2n6t),	cis-4,7,10,13,16,19-Docosahexaenoic acid (C22:6n3)
Linoleic acid (C18:2n6c),	

³Determination of Pesticide Residues (Incorporating QuEChERS Extraction) by GC-MS/MS

1-Naphthol	Butylate	DDE-p,p
2, 4-D Methyl ester	Cadusafos	DDT-o,p
2,3 dihydro-	Captan	DDT-p,p
2,2dimethylbenzofuran	Carbaryl	DEET (Diethyl-m-toluamide,
2,4- (2,4-xyleneol)	Carbofuran	N,N-)
Dimethylphenol	Chinometionate	Deltamethrin
2,6 Dichlorobenzonitrilo	Chlorbenside	Deltamethrin I
3,4 Dichloroaniline	Chlordane-cis (alpha)	Deltamethrin II
Aclonifen	Chlordimeform	Demeton O
Acrinathrin	Chlorfenapyr	Demeton S
Aldrin	Chlorobenzilate	Desmetryn
Ametryn	Chloroneb	Diafenthuron
Atrazine	Chloropropylate	Diallate
Azinphos-methyl	Chlorothalonil	Diallate I
Azoxystrobin	Chlorpropham	Diallate II
Benalaxyl	Chlorpyrifos	Diazinon
Benfluralin	Chlorpyrifos methyl	Dichlofluanid
BHC lindane alpha	Chlortal dimethyl	Dichloran
BHC lindane beta	Chlorthiophos	Dichlorvos
BHC lindane delta	Chlozolate	Diclofop methyl
BHC lindane gamma	Coumaphos	Dieldrin
Bifenox	Cyanophos	Dimethipin
Bifenthrin	Cyflufenamid	Dimepax
Bromacil	Cyfluthrin	Dimethoate
Bromophos ethyl	Cyhalothrin G	Dioxathion
Bromophos Methyl	Cyhalothrin L	Diphenylamine
Bromopropylate	Cypermethrin a	Disulfoton
Butafenacil	Cyprodinil	Disulfoton sulfone
Buprofezin	DDD-o,p	Disulfoton sulfoxide
Butachlor	DDD-p,p	Ditalimfos
Butralin	DDE-o,p	Endosulfan I (alpha isomer)

Endosulfan II (beta isomer)	Imiprothrin II	Prometryn
Endosulfan sulfate	Indoxacarb	Propazin
Endrin	Iprodione	Propiconazole
Endrin aldehyde	Isocarbophos	Propiconazole I
Endrin ketone	Isoprothiolane	Propiconazole II
EPTC	Kelthane	Propoxur
Esfenvalerate I	Leptophos	Prothiofos (Tokution)
Esfenvalerate II	Malathion	Pyraflufen-ethyl
Ethalfuralin	Mepronil	Pyridalyl
Ethoprophos (Ethoprop)	Metalaxyl-M	Pyridaphenthion
Ethoxyquin	Methacrifos	Pyriproxyfen
Ethylan (Perthane)	Methiocarb	Quintozene
Etion	Methiocarb sulfona	(Pentachloronitrobenzene)
Etofenprox	Methiocarb sulfoxide	Ronnel (Fenchlorphos)
Etridiazole (Terrazole, Echlomezol)	Methoprene	Sebuthylazine
Fenamidone	Methoxychlor	Simazine
Fenitrothion	Methyl pentachlophenyl sulfide	Sulfallate
Fenpropathrin	Metribuzin	Sulprofos (Bolstar)
Fenson	Mevinphos	Sumithrin (Phenothrin)
Fensulfothion	MGK-264	Sumithrin (Phenothrin) I
Fenthion	MGK-264 I	Sumithrin (Phenothrin) II
Fenothiocarb	MGK-264 II	Tau Fluvalinate
Fenvalerate I	Mirex	Tebuconazole
Fenvalerate II	Myclobutanil	Tebufenpyrad
Fipronil	Nitrapyrin	Tecnazene
Fluchloralinal	Nitrothal-isopropyl	Terbacil
Flucythrinate	Norflurazon-desmethyl	Terbufos
Flucythrinate I	O Phenylphenol	Terbutylazine
Flucythrinate II	op Dicofol	Terbutryn
Fludioxonil	Ovex	Tetrachlorvinphos E-isomer
Flumetralin	Oxadiazon,	Tetradifon
Flumioxazin	Oxyfluorfen	Tetrahydrophthalimide cis- 1,2,3,6-
Flumiclorac-pentyl	Parathion	Thiocyclam hydrogen oxalate
Fluopyram	Parathion methyl	Tolchlofos methyl
Fluridone	Pentachloroaniline	Tolyfluanid
Flutolanil	Pentachloroanisol	Triadimefon
Fluvalinate	Pentachlorophenol	Triadimenol
Folpet	Penthiopyrad	Triallate
Fonofos (Dyfonate)	Permethrin-cis	Triazophos
g Chlordan	Permethrin-trans	Tributylphosphate
Heptachlor	Phenyl valerate	Trichloronat
Heptachlor exo-epoxide (isomer B)	Phorate	Triticonazole
Hexachlorobenzene	Phosmet (Imidan)	Tricyclazole
Hexazinone	Procymidone	Trifluralin
Imiprothrin	Profenofos	Uniconazole
Imiprothrin I	Profluralin	Vinclozolin
	Promecarb	Zoxamide
	Prometon	

⁴Determination of Pesticide Residues (Incorporating QuEChERS Extraction) by LC-MS/MS (cont'd)

2,6-Dichlorobenzamide
Abamectin

Acephate
Acetamidrid

Acetochlor
Alachlor

Aldicarb
Aldicarb-sulfone
Aldicarb-sulfoxide (Aldoxicarb)
Ametoctradin
Amicarbazone
Aminocarb
Asulam
Atrazine-desethyl-desisopropyl
Azadirachtin
Azamethiphos
Azinphos-ethyl
Azinphos-methyl
Baycarb (Fenobucarb)
Bendiocarb
Bensulfuron-methyl
Bensulide
Benthiavalicarb-isopropyl
Bifenazate
Bitertanol
Boscalid
Brodifacoum (con sus isómeros
Bodifacoum I y Brodifacoum II)
Bromuconazole (con sus
isómeros Bromuconazole I y
Bromuconazole II)
Bupirimate
Butocarboxim
Butocarboxim-sulfoxide
Buturon
Carbaryl
Carbendazim
Carbetamide
Carbophenothion
Carboxin
Carfentrazone-ethyl
Cartap
Chlorantraniliprole
Chlorbromuron
Chlorfenvinphos
Chloridazon (Pyrazon)
Chlorimuron-ethyl
Chlormequat
Chlorotoluron
Chloroxuron
Chlorsulfuron
Ciodrin (Crotoxyphos)
Clodinafop-propargyl
Clofentezine
Clomazone
Cloquintocet-mexyl
Clothianidin
Crimidine
Cyanazine
Cyantraniliprole

Cyazofamid
Cyflumetofen
Cymoxanil
Cyproconazole
Cyromazine
Demeton-S-methyl-sulfone
Desmedipham
Dialifos
Dichlofenthion
Diclobutrazol
Dicrotophos
Diethofencarb
Difenoconazole
Difenoxuron
Diflubenzuron
Diflufenican
Dimefuron
Dimethachlor
Dimethenamid
Dimethoate
Dimethomorph
Diniconazole
Dinotefuran
Diphenamid
Diuron (Karmex)
Dodemorph acetate
Dodine
Edifenphos
Emamectin Benzoate
Epoconazole
Etaconazole
Ethiofencarb
Ethiofencarb-sulfone
Ethirimol
Ethofumesate
Etoxazole
Etrinfos
Fenamiphos
Fenamiphos sulfone
Fenamiphos sulfoxide
Fenarimol
Fenazaquin
Fenbuconazole
Fenfuram
Fenhexamid
Fenoxaprop-ethyl
Fenoxycarb
Fenpropidin
Fenpropimorph
Fenpyroximate
Fenuron
Flamprop-isopropyl
Flamprop-methyl
Flazasulfuron

Flonicamid
Fluazifop-butyl
Flufenacet
Flufenoxuron
Fluometuron
Fluopicolide
Fluoroglycofen-ethyl
Fluoxastrobin
Flupyradifurone
Flurtamone
Flusilazole
Flutriafol
Fluxapyroxad
Fonofos (Dyfonate)
Forchlorfenuron
Formetanate
Formothion
Fosthiazate
Fuberidazole
Furathiocarb
Haloxypop-methyl
Heptenophos
Hexaconazole
Hexaflumuron
Hexythiazox
Hydroxy carbofuran
Imazalil
Imazapyr
Imazaquin
Imidacloprid
Indaziflam
Iprovalicarb
Irgarol
Isazophos
Isofenphos
Isoprocab
Isoproturon
Kresoxim-methyl
Lenacil
Linuron
Lufenuron
Malaixon
Mancozeb
Mandipropamid
Mebendazole
Mecarbam
Mepanipyrim
Metamitron
Metazachlor
Metconazole
Methabenzthiazuron
Methamidophos
Methfuroxam
Methidathion

Methiocarb
Methomyl
Methoprotryne
Methoxyfenozide
Metolachlor
Metosulam
Metoxuron
Metrafenone
Metsulfuron-methyl
Mexacarbate
Molinate
Monocrotophos
Monolinuron
Monuron
N-2,4-Dimethylphenyl
formamide (2,4-DMPF)
Naled
Napropamide
Neburon
Nicosulfuron
Nitenpyram
Norflurazon
Novaluron
Ofurace
Omethoate
Oxadixyl
Oxamyl
Oxamyl oxime
Oxydemeton-methyl
Paclobutrazol (Bonzi)
Paraoxon
Paraoxon-methyl
Penconazol
Pencycuron
Pendimethalin
Phenmedipham
Phenthoate
Phorate-sulfone
Phorate-sulfoxide
Phosalone

Phosphamidon
Phoxim
Picolinafen
Picoxystrobin
Piperalin
Piperonyl butoxide
Piperophos
Pirimicarb
Pirimiphos-ethyl
Pirimiphos-methyl
Probenazole
Prochloraz
Pronamide
Propachlor
Propamocarb
Propanil
Propargite (Omite)
Propetamphos
Propham
Propoxur(Baygon)
Propyzamide
Prosulfocarb
Prosulfuron
Pymetrozine
Pyraclostrobin
Pyrazophos
Pyridaben
Pyrimethanil
Quinalphos
Quinoxifen
Quizalofop-ethyl
Rimsulfuron
Rotenone
Sethoxydim
Simetryn
S-Metolachlor
Spinetoram J
Spinosad A
Spinosad D
Spirodiclofen

Spiromesifen
Spirotetramat
Spiroxamine
Sulfentrazone
Sulfosulfuron
Sulfotep
Sulfoxaflor
Tebufenozide
Tebutam
Tebuthiuron
Terbumeton
Terbutylazine-desethyl
Tetraconazole
Tetramethrin
TFNA-AM
TFNG
Thiabendazole
Thiacloprid
Thiamethoxam
Thidiazuron
Thifensulfuron-methyl
Thiobencarb
Thiodicarb
Thiofanox sulfoxide
Thionazin
Thiophanate-methyl
Triasulfuron
Trichlorfon
Tridemorph
Trietazine
Trifloxystrobin
Triflumizole
Triflumuron
Triflurosulfuron-methyl
Triforine
Trimidal
Vamidothion
Warfarin



Accredited Laboratory

A2LA has accredited

ANÁLISIS TÉCNICOS S.A. DE C.V.

Hidalgo C. P., MEXICO

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 laboratory also meets the requirements of A2LA R258 – *Specific Requirements – FDA Laboratory Accreditation for Analyses of Foods (LAAF) Accreditation Program*. 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 2nd day of November 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4317.01
Valid to September 30, 2025

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