CERTIFICATE OF ACCREDITATION

This is to attest

AGQ USA

2451 EASTMAN AVENUE, SUITE 1
OXNARD, CALIFORNIA 93030, U.S.A.

Testing Laboratory TL-509

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories* and with *IAS Integrated Accreditation Policy.* This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date November 4, 2026

IAS ACCREDITED

International Accreditation Service
Issued under the authority of IAS management

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SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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AGQ USA

www.agqlabs.us.com

Location	Address	Contact Name	Contact Phone	Scope Pages
TL-509 Main	2451 Eastman Ave, Ste 1 Oxnard, CA 93030 United States.	Jeisson Cárdenas Miranda	(+506) 8887-7458	2-6
TL-1482 Integrated Location	109 W Yakima Ave, Selah, WA 98942, USA	Jeisson Cárdenas Miranda	(+506) 8887-7458	6-7

Accredited to ISO/IEC 17025:2017 *Effective Date November 4, 2026*

TL-509
Main

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemistry –Agriculture	Foliage	Boron, Calcium, Copper, Magnesium, Manganese, Potassium, Sodium, Zinc, Sulfur, Phosphorus and Iron	PECUSA-009 Metals by ICP-OES (Elemental Analysis)
		Total Nitrogen	PECUSA-034 Elemental Analysis By Combustion (Dumas)
	Soil Solutions, Water	Calcium, Magnesium, Sodium, Potassium, Iron, Manganese, Copper, Zinc, Sulfur, Phosphorus and Boron	PECUSA-009 Metals by ICP-OES (Elemental Analysis)
		Chlorides, Ammonium, Alkalinity, Total Oxidated Nitrogen	PEUSA-336 Continuous Flow Analysis (CFA) by UV/Vis Spectrophotometry
	Soil Solution, Water, Foliage	pH, Electroconductivity	PECUSA-001, PECUSA-002 Analysis by Automatic Titrator (Potentiometric, Conductometric, Volumetric)
Food Chemistry	Fruits, Vegetables, Herbs & Leaves, Nuts, Cereals & Their Flours, Dried Fruit, Oils/fatty	Pesticide Residue Listed in ITUSA-134 (GCMSMS), ITUSA-151(GCMSMS),	PEUSA-674 Pesticide Residue Analysis by GC-MS/MS & LC-MS/MS Based on AOAC 2007.01

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Food Chemistry (cont'd.)	Matrices, Wine, Foods	ITUSA-158 (LCMSMS), ITUSA-136 (LCMSMS)	
	Foods	Glyphosate	PEUUSA-681 Glyphosate by LC- MS/MS
		Acrylamide	PEUUSA -684 Acrylamide by LC-MS/MS
		Vitamin C	PEUUSA -540 Vitamin C in Foods by Chromatography HPLC-DAD
		Vitamin D	PEUUSA -530 Vitamin D in food using LC-MS/MS chromatography
		Fatty acids	PEUUSA -671 Determination of fatty acid methyl esters using gas chromatography-FID (GC-FID)
		Cholesterol	PEUUSA -686 Cholesterol in food by gas chromatography-FID (GC-FID)
		Fructose Glucose Galactose Sucrose Maltose Lactose	PEUUSA -541 Determination of sugar profile in food by HPLC-ELSD
		Dietary Fiber	PEUUSA -279 Determination of fiber/total dietary fiber by gravimetric method
	Food and Feed	Proteins	PEUUSA -987 Protein determination by elemental analyzer in foods & feed by Combustion (Dumas)
	Water	Glyphosate	PEUUSA -679 Glyphosate by LC-MS/MS
	Fruits, Vegetables	Patulin	PEUUSA -531 Patulin by LC-MS/MS
	Fish	Histamine	PEUUSA -539 Histamine Determination in Fish by HPLC-UV-DAD
	Fish, Shrimp	AHD, SEM, AOZ, AMOZ, Chloramphenicol	TIUSA-1126 Nitrofurans by LC-MS/MS

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Food Chemistry (cont'd.)	Food and Feeds	Total fat	PEUUSA -356 Total Fat in Foods by Gravimetric & Hydrolysis Method
	Grain Cereals (oats, rice, corn, wheat, etc.), cereal flours, cereal bran, dried fruit, nuts, fruit juices Grain Cereals (oats, rice, corn, wheat, etc.), cereal flours, cereal bran, dried fruit, nuts, fruit juices (cont'd.)	Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Aflatoxin M1 Ochratoxin A Deoxynivalenol Zearalenone Fumonisin B1 Fumonisin B2 Fumonisin B3 T2 toxin TH2 toxin	PEUUSA -505 Mycotoxins by LC/MS-MS Chromatography
	Food Meat Fish and Seafood, Fruits, Vegetables and Fruits Juice, Milk and Lactic Derivatives, Cereals and their Flours, Legumes	Total: Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Molybdenum, Nickel, Selenium, Tin, Zinc	PEUUSA -2118 Determination of Total Elements in Foods by Spectroscopy ICP-MS
	Water	Total: Aluminum, Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Manganese, Mercury, Molybdenum, Selenium, Sodium, Strontium, Titanium, Vanadium, Zinc	PEUUSA -2173 Determination of Total Elements in Water by Spectroscopy ICP-MS
	Fruit Juice	Arsenic Speciation	FDA-EAM-4.10-V1.1 High Performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometric Determination of Arsenic Species in Fruit Juice
	Foods	Arsenic, Cadmium, Chromium, Copper, Lead, Manganese, Mercury, Molybdenum, Nickel, Selenium, Thallium, Zinc	FDA-EAM-4.7-V1.2 Inductively Coupled Plasma-Mass Spectrometric Determination of Arsenic, Cadmium, Chromium, Lead, Mercury, and Other Elements in Food Using Microwave Assisted Digestion

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Food Chemistry (cont'd.)	Food and Feed	Moisture	PEUUSA -345 Determination of moisture in foods by Oven Drying
		Ash	PEUUSA -355 Determination of ashes in food and feed by gravimetry
	Rice and Rice Products	Arsenic Speciation Arsenic Speciation (cont'd)	FDA-EAM 4.11 V1.1 Arsenic Speciation in Rice and Rice Products Using High Performance Liquid Chromatography - Inductively Coupled Plasma-Mass Spectrometric Determination
	Food, Food Ingredients and beverages	Calcium Iron Potassium Magnesium Zinc Sodium	PEUUSA -2116 Metals in foods by Inductive Couple Plasma-Optical Emission Spectrophotometer (ICP-OES)
Aquaculture	Aquaculture Products	Sulfonamides	PEUUSA -534 Determination and Quantification of Sulfonamides in Aquaculture Products by LC-MS/MS
		Abamectin, Amoxicillin, Ampicillin, Chloramphenicol, Chlortetracycline, Ciprofloxacin, Cloxacillin, Danofloxacin, Dicloxacillin, Difloxacin, Diflubenzuron, Doramectin, Doxycycline, Emamectin, Enrofloxacin, Erythromycin, Florfenicol, Florfenicol Amine, Flumequine, Ivermectin, Nalidixic Acid, Norfloxacin, Oxolinic Acid, Oxytetracycline, Penicillin, Sarafloxacin, Spiramycin, Tetracycline, Thiamphenicol, Trimethoprim	PEUUSA -533 Identification and Quantitation of Antibiotics and Tetracyclines in Aquaculture products by LC-MS/MS
		Brilliant Green, Gentian Violet, Leuco Gentian	PEUUSA -536

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Aquaculture (cont'd.)	Aquaculture Products (cont'd.)	Violet, Leucomalachite Green, Malachite Green	Identification and Quantitation of Colorants in Aquaculture Products by LC-MS/MS

TL-1482
Integrated Location

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Microbiology – Food	Fresh Produce (Fruits and Vegetables) & Environmental Samples (Surfaces)	Aerobic Plate Count	PEUSA-401 / AOAC 2015.13 / 3M Petrifilm Rapid
		Staphylococcus aureus	PEUSA-402 / AOAC 2003.08 / 3M Petrifilm
		Lactic Acid Bacteria	PEUSA-403 / AOAC PTM N° 041701 / 3M Petrifilm
		Total Coliforms	PEUSA-404 / AOAC 2018.13 / 3M Petrifilm Rapid
		Escherichia coli	PEUSA-404 / AOAC 2018.13 / 3M Petrifilm Rapid
		Enterobacteria	PEUSA-405 / AOAC 2003.01 / Petrifilm / 3M Petrifilm
		Yeast and Molds	PEUSA-406 / AOAC 2014.05 / 3M Petrifilm Rapid
		Listeria spp.	PEUSA-407 / iQ-Check Listeria spp. Biorad / AOAC PTM 0907012 / Real Time PCR (Biorad)
		Listeria monocytogenes	PEUSA-407 / iQ-Check Listeria monocytogenes II Biorad / AOAC PTM 010802 / Real Time PCR (Biorad)
		Escherichia coli O157:H7	PEUSA-408 / iQ-Check E.coli O157:H7 Biorad / AOAC PTM 020801 / Real Time PCR (Biorad)
		Salmonella	PEUSA-409 / iQ-Check Salmonella spp Biorad / AOAC PTM 010803 / Real Time PCR (Biorad)
		Shiga Toxin Producing E. coli (STEC)	PEUSA-410 / iQ-Check STEC VirX Biorad / AOAC PTM 121203 / Real Time PCR (Biorad)

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Microbiology - Water	Drinking Water / Process Water / Wastewater	Total Coliforms, Fecal Coliforms, Escherichia coli	PEUSA-411 / SMEWW 24th Ed, 2023. 9223 B / Enzymatic method (Colilert 18)
		Heterotrophic Bacteria Plate Count	PEUSA-412 / SMEWW 24th Ed, 2023. 9215 B / Plate Count