



CERTIFICATE OF ACCREDITATION

This is to attest that

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 2016 TNI Standard Volume 1: *Management and Technical Requirements for Laboratories Performing Environmental Analysis*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date January 27, 2021



President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

AGQ USA

www.agqlabs.us.com

Contact Name Maria Peña

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*Accredited to ISO/IEC 17025:2017 and
2016 TNI Standard Volume 1**

Effective Date January 27, 2021

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemistry – Inorganics Agriculture	Foliage	Boron, Calcium, Copper, Magnesium, Manganese, Potassium, Sodium, Zinc, Sulfur, Phosphorus and Iron	PECUSA-009 Metals by ICP-OES (Elemental Analysis)
	Soil Solutions, Water	Calcium, Magnesium, Sodium, Potassium, Iron, Manganese, Copper, Zinc, Sulfur, Phosphorus and Boron	PECUSA-009 Metals by ICP-OES (Elemental Analysis)
	Foliage	Total Nitrogen	PECUSA-034 Elemental Analysis (LECO)
	Water, Soil Solution	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 – Organics	Fruits, Vegetables, Herbs & Leaves, Nuts, Cereals & Their Flours, Dried Fruit, Oils/fatty Matrices, Wine, Tobacco, Foods	Pesticide Residue Listed in IT-134 GC-MS/MS and IT-136 LC-MS/MS	PE-674 Pesticide Residue Analysis by GC-MS/MS & LC-MS/MS
	Fish and Shellfish	Histamine	PEUSA-516 Histamine by LC-MS/MS
	Tomato Products	Filth	AOAC 955.46 Determination of Filth in Foods
	Foods	Glyphosate	PE-681 Glyphosate by LC- MS/MS
	Water	Glyphosate	PE-679

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Food Chemistry – Organics (cont'd.)			Glyphosate by LC-MS/MS
	Foods	Acrylamide	PE-684 Acrylamide by LC-MS/MS
	Fruits, Vegetables	Patulin	PE-531 Patulin by LC-MS/MS
	Foods	Aflatoxins (B1, B2, G1, G2), Ochratoxin A	PCUSA-226 Mycotoxins by LC-MS/MS
	Fish, Shrimp	AHD, SEM, AOZ, AMOZ, Chloramphenicol	TI-1126 Nitrofurans by LC-MS/MS
	Fruits, Vegetables	Nicotine	TI-1118 Nicotine by GC-MS/MS
Food Chemistry – Inorganics	Food Meat Fish and Seafood, Fruits, Vegetables and Fruits Juice, Milk and Lactic Derivatives, Cereals and their Flours, Legumes	Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Molybdenum, Nickel, Selenium, Tin, Zinc	PE-2118 Determination of Total Elements in Foods by Spectroscopy ICP-MS
	Water	Aluminum, Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Manganese, Mercury, Molybdenum, Selenium, Sodium, Strontium, Titanium, Vanadium, Zinc	PE-2173 Determination of Total Elements in Water by Spectroscopy ICP-MS
Aquaculture – Organics	Aquaculture Products	Sulfonamides	PE-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,	PE-533: Identification and Quantitation of Antibiotics and Tetracyclines in Aquaculture products by LC-MS/MS

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Aquaculture – Organics (cont'd.)	Aquaculture products (cont'd.)	Sarafloxacin, Spiramycin, Tetracycline, Thiamphenicol, Trimethoprim	
		Brilliant Green, Gentian Violet, Leuco Gentian Violet, Leucomalachite Green, Malachite Green	PE-536 Identification and Quantitation of Colorants in Aquaculture Products by LC-MS/MS
Cannabis Chemistry – Organics	Hemp	$\Delta 9$ THC, $\Delta 9$ THCA-A, CBD, CBD-A, CBG, CBN, CBC	PE-532 Potency in Hemp by LC-MS/MS
	Hemp	Cannabinoids $\Delta 8$ THC, $\Delta 9$ THC, $\Delta 9$ THCA-A, CBD, CBD-A, CBN, CBG, CBC, CBGA, and CBCA	PE-6013: Determination and Quantitation of Cannabinoids by HPLC-DAD.
Cannabis Chemistry – Inorganic	Hemp	Arsenic, Cadmium, Chromium, Lead, Mercury,	PE-2203: Inductively Coupled Plasma-Mass Spectrometric Determination of Arsenic, Cadmium, Chromium, Lead, Mercury, and Other Elements in Hemp and Products Using Microwave Assisted Digestion
Environmental Chemistry – Inorganics	Drinking Water	Hydrogen Ion (pH)	EPA 150.1 Electrometric*
		Conductance	EPA 120.1 Conductometric*
		Residue, Filterable (TDS)	EPA 160.1 Gravimetric*
		Alkalinity	EPA 310.2 UV/Vis Spectrophotometric*
		Chloride	EPA 325.2 UV/Vis Spectrophotometric*
		Nitrate (as N)	EPA 353.2 UV/Vis Spectrophotometric*
		Sulfate	EPA 375.4 UV/Vis Spectrophotometric*
		Calcium, Magnesium, Potassium, Sodium	EPA 200.7 ICP-OES*

*Methods noted with asterisk are also recognized under the TNI Scope of Accreditation currently based on ISO/IEC 17025:2005.