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# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **AGQ USA**

2451 EASTMAN AVENUE, SUITE 1  
OXNARD, CALIFORNIA 93030

Testing Laboratory TL-509

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation maintained on the IAS website ([www.iasonline.org](http://www.iasonline.org)).

*This certificate is valid up to April 18, 2018.*



*This accreditation certificate supersedes any IAS accreditation bearing an earlier effective date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See [www.iasonline.org](http://www.iasonline.org) for current accreditation information, or contact IAS at 562-364-8201.*



*C.P. Ramani*  
C.P. Ramani, P.E., C.B.O  
President



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## SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-509
Company Name	AGQ USA
Address	2451 Eastman Ave. Ste. 1 Oxnard, CA 93030
Contact Name	Jesse Lamas Calvillo, Laboratory Director Genny Moo, Quality Assurance Officer
Telephone	+1 (805) 981-2972
Effective Date of Scope	December 16, 2016
Accreditation Standard	ISO/IEC 17025:2005

FIELDS OF TESTING	MATERIAL	DETERMINANTS	METHOD REFERENCE
Metals by ICP-OES (Elemental Analysis)	Foliage, Fertilizer	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
Heavy Metals by ICP- OES (Elemental Analysis)	Foods and Animal Feed	Arsenic, Cadmium, Chromium, Nickel, Lead, Copper, Manganese, Mercury, Iron and Zinc	PEUSA-2043
Elemental Analysis (LECO)	Foliage, Organic Fertilizer	Total Nitrogen	PECUSA-034
Elemental Analysis (LECO)	Soil	Total Nitrogen	PECUSA-034
Continuous Flow Analysis (CFA) by UV/Vis Spectrophotometry	Water, Soil Solution	Chlorides, Ammonium, Alkalinity, Total Oxidated Nitrogen	PEUSA-336
Analysis by Automatic Titrator (Potentiometric, Conductometric, Volumetric)	Soil Solution, Water, Foliage	pH, Electroconductivity and Alkalinity	PECUSA-001, PECUSA-002 and PECUSA- 011
Analysis by Automatic Titrator (Potentiometric, Conductometric, Volumetric)	Soil	Oxidizable Organic Matter pH, Electroconductivity Active Limestone	PECUSA-013, PECUSA-001, PECUSA-002 PECUSA-014



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Analysis by Granulometry	Soil	Texture	PECUSA-018
Pesticide Residue Analysis by GC-MS/MS	Fruits, Vegetables, Nuts, Cereal & Dried Fruit Oils/Fatty Matrices Wine	Listed in PEUSA-614, Annex 8, and Annex 9	PEUSA-614
Pesticide Residue Analysis by LC-MS/MS	Fruits, Vegetables, nuts, Cereal & Dried Fruit Oils/Fatty Matrices Wine	Listed in PEUSA-618, Annex 8, Annex 9	PEUSA-618
Pesticide Residue Analysis by GC-MS/MS & LC-MS/MS	Fruits, Vegetables, herbs & leaves, nuts, Cereal & Dried Fruit Oils/Fatty Matrices Wine, tobacco	Listed in PE-674, Annex 3 – GC-MS/MS and Annex 4 – LC-MS/MS	PE-674
Pesticide Residue Analysis by GC-MS/MS	Foods and Animal Feed	Aldrin, Benalaxyl, Chlordane-cis, Chlordane-trans, Cypermethrin, 4,4'-DDD, 4,4'- DDE, 2,4'- DDT, 4,4'- DDT, Deltamethrin, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Ethion, Fenamiphos, HCB, HCH-a, HCH-b, HCH-d, Heptachlor, Heptachlor epoxide A, Heptachlor epoxide B, Lindane, Mirex, Oxyfluorfen, Simazine; Trifluralin, Vinclozolin	PCUSA-225
UV/Vis Spectrophotometry	Fruits, Vegetables	Dithiocarbamates (as CS <sub>2</sub> )	PECUSA-032
Antibiotic by LC-MS/MS	Foods and Animal Feed	Abamectin, Oxolinic Acid, Ciprofloxacin, Cloramfenicol, Diflubenzuron, Emamectin Benzoate, Enrofloxacin, Erythromycin, Spiramycin, Florfenicol, Flumequine, Ivermectin, Sarafloxacin, Trimethoprim	PCUSA-305
Nitrofurans by LC-MS/MS	Foods and Animal Feed	AHD, AMOZ, AOZ, SEM	PCUSA-319



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Penicillin/Tetracyclins by LC-MS/MS	Foods and Animal Feed	Amoxicillin, Chlortetracycline, Oxytetracycline, Tetracycline, Penicillin G	PCUSA-323
Colorants by LC-MS/MS	Foods and Animal Feed	Crystal Violet, Leuco-Crystal Violeta, Malachite Green, Leuco-Malachite Green, Brilliant Green	PCUSA-266
PCB by GC-MS/MS	Foods and Animal Feed	PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180	PCUSA-225
Histamine by LC-MS/MS	Fish and Shellfish	Histamine	PEUSA-516
Determination Of Total Elements In Foods By Spectroscopy ICP-MS	Food Meat Fish and seafood Fruits, vegetables and fruits juice. Milk and lactic derivatives Cereals and their flours Legumes	As-Arsenic Cd-Cadmium Cr-Chromium Hg-Mercury Pb-Lead Sn-Tin	PE-2118