



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

**AGQ GREEN NATURE**  
859 WARD DRIVE; SUITE 103  
GOLETA, CALIFORNIA, 93111, U.S.A.

**Testing Laboratory TL-1029**

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*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiry Date June 1, 2025

Effective Date December 11, 2023



A handwritten signature in black ink that reads "Raj Nathan".

**President**

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## AGQ GREEN NATURE

<https://agqgreennature.com/>

**Contact Name** Dhairya Patel

**Contact Phone** +1-773-710-4345

*Accredited to ISO/IEC 17025:2017*

*Effective Date December 11, 2023*

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Agricultural-Plant-Chemistry	Cannabis products	Cannabinoids and content CBDV CBDVA, THCV, THCVA CBD CBG CBDA CBGA CBN Δ9THC Δ8THC CBC CBCA THCA  LOQ 0.5 mg/g LOD 0.17 mg/g	<b>CAN-001</b> Cannabinoid testing & content in Cannabis by HPLC-DAD
	Hemp products	Cannabinoids and content CBDV CBDVA, THCV, THCVA CBD CBG CBDA CBGA CBN Δ9THC Δ8THC CBC CBCA THCA  LOQ 0.5 mg/g LOD 0.17 mg/g	<b>CAN-001</b> Cannabinoid testing & content in Hemp by HPLC-DAD
	Cannabis products	Pesticide Residue Abamectin Acephate Acequinocyl	<b>PEST-001</b> Pesticide Residue Analysis in Cannabis by GC-MS/MS & LC-MS/MS

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
<b>Agricultural-Plant-Chemistry</b> (cont'd.)	Cannabis products (cont'd.)	Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Captan (LOQ: 0.50 µg/g LOD: 0.17 µg/g) Carbaryl Carbofuran Chlorantraniliprole Chlordane Chlorfenapyr Chlorpyrifos Clofentezine Coumaphos Cyfluthrin Cypermethrin Daminozide DDVP (Dichlorvos) Diazinon Dimethomorph Dimethoate Ethoprophos Etofenprox Etoxazole Fenhexamid Fenoxycarb Fenpyroximate Fipronil Flonicamid Fludioxonil Hexythiazox Imazalil Imidacloprid Kresoxim-methyl Malathion Metalaxyl Methiocarb Methyl parathion Methomyl Mevinphos Myclobutanil Naled Oxamyl Paclobutrazol Pentachloronitrobenzene Permethrin Phosmet	<b>PEST-001</b> Pesticide Residue Analysis in Cannabis by GC-MS/MS & LC-MS/MS (cont'd.)

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Agricultural-Plant-Chemistry (cont'd.)	Cannabis products (cont'd.)	Piperonylbutoxide Prallethrin Propiconazole Propoxur Pyrethrins (LOQ: 0.40µg/g LOD: 0.14 µg/g) Pyridaben Spinetoram Spinosad Spiromesifen Spirotetramat Spiroxamine Tebuconazole Thiacloprid Thiamethoxam Trifloxystrobin  LOQ: 0.08 µg/g LOD: 0.03 µg/g	<b>PEST-001</b> Pesticide Residue Analysis in Cannabis by GC-MS/MS & LC-MS/MS (cont'd.)
	Hemp products	Pesticide Residue Abamectin Acephate Acequinocyl Acetamiprid Aldicarb Azoxytrobin Bifenazate Bifenthrin Boscalid Captan (LOQ: 0.50 µg/g LOD: 0.17 µg/g) Carbaryl Carbofuran Chlorantraniliprole Chlordane Chlorfenapyr Chlorpyrifos Clofentezine Coumaphos Cyfluthrin Cypermethrin Daminozide DDVP (Dichlorvos) Diazinon Dimethomorph Dimethoate Ethoprophos	<b>PEST-001</b> Pesticide Residue Analysis in Hemp by GC-MS/MS & LC-MS/MS

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Agricultural-Plant-Chemistry (cont'd.)	Hemp products (cont'd.)	Etofenprox Etoxazole Fenhexamid Fenoxycarb Fenpyroximate Fipronil Flonicamid Fludioxonil Hexythiazox Imazalil Imidacloprid Kresoxim-methyl Malathion Metalaxyl Methiocarb Methyl parathion Methomyl Mevinphos Myclobutanil Naled Oxamyl Paclobutrazol Pentachloronitrobenzene Permethrin Phosmet Piperonylbutoxide Prallethrin Propiconazole Propoxur Pyrethrins (LOQ: 0.40µg/g LOD: 0.14 µg/g) Pyridaben Spinetoram Spinosad Spiromesifen Spirotetramat Spiroxamine Tebuconazole Thiacloprid Thiamethoxam Trifloxystrobin  LOQ: 0.08 µg/g LOD: 0.03 µg/g	<b>PEST-001</b> Pesticide Residue Analysis in Hemp by GC-MS/MS & LC-MS/MS (cont'd.)
	Cannabis products	Total of Aflatoxin: LOQ: 20 µg/kg LOD: 6.4 µg/kg  Aflatoxin B1	<b>PEST-001</b> Mycotoxins Analysis in Cannabis by LC-MS/MS

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Agricultural-Plant-Chemistry (cont'd.)	Cannabis products (cont'd.)	Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 LOQ: 5 µg/kg LOD 1.6 µg/kg  Ochratoxin A LOQ: 16 µg/kg LOD: 5 µg/kg	<b>PEST-001</b> Mycotoxins Analysis in Cannabis by LC-MS/MS (cont'd.)
	Hemp products	Total of Aflatoxin: LOQ: 20 µg/kg LOD: 6.4 µg/kg  Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 LOQ: 5 µg/kg LOD 1.6 µg/kg  Ochratoxin A LOQ: 16 µg/kg LOD: 5 µg/kg	<b>PEST-001</b> Mycotoxins Analysis in Hemp by LC-MS/MS
	Cannabis products	Solvent Residue Category 1 1,2-Dichloroethane Benzene Chloroform Ethylene oxide Methylene chloride Trichloroethylene  LOQ: 0.72 µg/g LOD: 0.24 µg/g  Category 2  Acetone Acetonitrile Butane Ethanol Ethyl Acetate Ethyl ether Heptane Hexane Isopropyl alcohol Methanol Pentane Propane Toluene	<b>RST-001</b> Residual Solvents in Cannabis by GC-MS/HS

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<b>Agricultural-Plant-Chemistry</b> (cont'd.)	Cannabis products (cont'd.)	Total xylenes  LOQ: 126 µg/g LOD 41.58 µg/g	<b>RST-001</b> Residual Solvents in Cannabis by GC-MS/HS (cont'd.)
	Cannabis products	Terpenes Alpha-Pinene Camphene Beta-Myrcene Beta-Pinene Delta-3-Carene Alpha-Terpinene Beta-Ocimene (+)-Limonene p-Cymene 1,8-Cineole Gamma Terpinene Terpinolene Linalool (-)-Isopulegol	<b>TERP-001</b> Terpenes in Cannabis by GC-FID
	Cannabis products	Heavy Metals Arsenic, Cadmium, Lead: LOQ: 0.10 µg/g LOD: 0.03 µg/g  Mercury: LOQ: 0.05 µg/g LOD: 0.02 µg/g	<b>HM-001</b> Heavy Metals in Cannabis by ICP-MS
	Hemp products	Heavy Metals Arsenic, Cadmium, Lead: LOQ: 0.10 µg/g LOD: 0.03 µg/g  Mercury: LOQ: 0.05 µg/g LOD: 0.02 µg/g	<b>HM-001</b> Heavy Metals in Hemp by ICP-MS
	Cannabis products	Moisture and Water Activity	<b>INO-001</b> Determination of water activity and moisture content
	Cannabis products	Foreign Matter	<b>INT-001</b> Foreign Matter in Cannabis products
	Cannabis products	Cannabis Cryptic Virus Lettuce Chlorosis Virus Hop Latent Viroid	<b>VIR-001</b> Detection of Virus Contaminant in Cannabis by RT-PCR detection system
	<b>Agricultural-Plant-Microbiology</b>	Cannabis products	Detection of: STEC and Salmonella

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<b>Agricultural-Plant-Microbiology</b> (cont'd.)			Detection of microbiological contaminants in Cannabis by RT- PCR detection system
	Hemp products	Detection of: STEC and Salmonella	<b>MICRO-001</b> Detection of microbiological contaminants in Hemp by RT-PCR detection system
	Cannabis products	Detection of: Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, and Aspergillus terreus	<b>MICRO-002</b> Detection of microbiological contaminants in Cannabis by RT- PCR detection system
	Hemp products	Detection of: Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, and Aspergillus terreus	<b>MICRO-002</b> Detection of microbiological contaminants in Hemp by RT-PCR detection system
<b>Microbiology- Food and Environmental</b>	Drinking water, source water, groundwater and wastewater	E-coli, Total Coliforms, and Fecal Coliforms	Standard Methods for The Examination of Water and Wastewater 24 <sup>th</sup> edition, 2023 Enzyme Substrate Coliform Test 9223 B.