



INTERNATIONAL
ACCREDITATION
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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 August 22, 2024



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 GREEN NATURE

<https://agqgreennature.com/>

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Accredited to ISO/IEC 17025:2017

Effective Date August 22, 2024

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	CAN-001 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	CAN-002 Cannabinoid testing & content in Hemp by HPLC-DAD

TL-1029

AGQ Green Nature

Effective Date August 22, 2024

Page 2 of 9

IAS/TL-Food/100-1



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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Agricultural-Plant-Chemistry (cont'd.)	Cannabis flowers and Non-infused Pre-rolls	Cannabinoids and content THCV (LOQ 0.048 mg/g, LOD 0.016 mg/g) CBD (LOQ 0.050 mg/g, LOD 0.016 mg/g) CBG (LOQ 0.050 mg/g, LOD 0.012 mg/g) CBDA (LOQ 0.049 mg/g, LOD 0.005 mg/g) CBN (LOQ 0.050 mg/g, LOD 0.003 mg/g) Δ9-THC (LOQ 0.049 mg/g, LOD 0.015 mg/g) Δ8-THC (LOQ 0.048 mg/g, LOD 0.010 mg/g) CBC (LOQ 0.050 mg/g, LOD 0.008 mg/g) THCA (LOQ 0.049 mg/g, LOD 0.006 mg/g)	CAN-003 Cannabinoid testing & content in Flowers by HPLC-DAD
	Cannabis products	Pesticide Residue Abamectin Acephate Acequinocyl 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	PEST-001 Pesticide Residue Analysis in Cannabis by GC-MS/MS & LC-MS/MS

TL-1029

AGQ Green Nature

Effective Date August 22, 2024

Page 3 of 9

IAS/TL-Food/100-1



INTERNATIONAL
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Agricultural-Plant-Chemistry (cont'd.)	Cannabis products (cont'd.)	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 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	PEST-001 Pesticide Residue Analysis in Cannabis by GC-MS/MS & LC-MS/MS (cont'd.)
	Hemp products	Pesticide Residue Abamectin	PEST-001

TL-1029

AGQ Green Nature

Effective Date August 22, 2024

Page 4 of 9

IAS/TL-Food/100-1



INTERNATIONAL
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SERVICE®

SCOPE OF ACCREDITATION

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Agricultural-Plant-Chemistry (cont'd.)	Hemp products (cont'd.)	Acephate Acequinocyl 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	Pesticide Residue Analysis in Hemp by GC-MS/MS & LC-MS/MS

TL-1029

AGQ Green Nature

Effective Date August 22, 2024

Page 5 of 9

IAS/TL-Food/100-1



INTERNATIONAL
ACCREDITATION
SERVICE®

SCOPE OF ACCREDITATION

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Agricultural-Plant-Chemistry (cont'd.)	Hemp products (cont'd.)	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	PEST-001 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 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	PEST-001 Mycotoxins Analysis in Cannabis by LC-MS/MS
	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	PEST-001 Mycotoxins Analysis in Hemp by LC-MS/MS

TL-1029

AGQ Green Nature

Effective Date August 22, 2024

Page 6 of 9

IAS/TL-Food/100-1



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SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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Agricultural-Plant-Chemistry (cont'd.)		LOD: 5 µg/kg	
	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 Total xylenes LOQ: 126 µg/g LOD 41.58 µg/g	RST-001 Residual Solvents in Cannabis by Headspace GC-MS
	Cannabis products	Terpenes Alpha-Pinene Camphene Beta-Myrcene Beta-Pinene Delta-Carene Alpha-Terpinene a-ocimene (+)-Limonene p-cymene cis-b-Ocimene Eucalyptol Gamma-Terpinene Terpinolene Linalool Isopulegol	TERP-001 Terpenes in Cannabis by GC-FID

TL-1029

AGQ Green Nature

Effective Date August 22, 2024

Page 7 of 9

IAS/TL-Food/100-1



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ACCREDITATION
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International Accreditation Service, Inc.

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		Geraniol b-Caryophyllene Alpha-Humelene Cis-Nerolidol Trans-Nerolidol (-)-Guaïol Caryophyllene Oxide Alpha-Bisabolol	
	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	HM-001 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	HM-001 Heavy Metals in Hemp by ICP-MS
	Cannabis products	Moisture and Water Activity	INO-001 Determination of water activity and moisture content
	Cannabis products	Foreign Matter	INT-001 Foreign Matter in Cannabis products
	Cannabis products	Cannabis Cryptic Virus Lettuce Chlorosis Virus Hop Latent Viroid	VIR-001 Detection of Virus Contaminant in Cannabis by RT-PCR detection system
Agricultural-Plant-Microbiology Agricultural-Plant-Microbiology (cont'd.)	Cannabis products	Detection of: STEC and Salmonella	MICRO-001 Detection of microbiological contaminants in Cannabis by RT-PCR detection system
	Hemp products	Detection of: STEC and Salmonella	MICRO-001 Detection of microbiological contaminants in Hemp by RT-PCR detection system
	Cannabis products	Detection of: Aspergillus flavus, Aspergillus fumigatus, Aspergillus	MICRO-002 Detection of microbiological contaminants in Cannabis by RT-PCR detection system

TL-1029

AGQ Green Nature

Effective Date August 22, 2024

Page 8 of 9

IAS/TL-Food/100-1



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		niger, and Aspergillus terreus	
	Hemp products	Detection of: Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, and Aspergillus terreus	MICRO-002 Detection of microbiological contaminants in Hemp by RT-PCR detection system
Microbiology- Food and Environmental	Drinking water, source water, groundwater and wastewater	E-coli, Total Coliforms, and Fecal Coliforms	Standard Methods for The Examination of Water and Wastewater 24 th edition, 2023 Enzyme Substrate Coliform Test 9223 B.

