

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: Quality Analytical Services Ltd

Location Name or Operating as (if applicable): QAS Ltd.

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SCC File Number:	151306
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Biological Chemical/Physical Forensic
Program Specialty Area:	Agriculture Inputs, Food, Animal Health and Plant Protection (AFAP) Environmental Testing (ET) Forensic
Initial Accreditation:	2022-12-22
Most Recent Accreditation:	2023-08-03
Accreditation Valid to:	2026-12-22

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products (Human and Animal Consumption):

QASM025	<p>Determination of cannabinoids in cannabis products by HPLC-UV EUROPEAN PHARMACOPOEIA 2.2.29, USP 621, and USP 736 Cannabidiol (CBD) Cannabidiolic acid (CBDA) Cannabinol (CBN) Cannabinolic Acid (CBNA) Tetrahydrocannabinol (THC) Tetrahydrocannabinolic acid (THCA)</p>
QASM028	<p>Determination of pesticides and Aflatoxins in cannabis and cannabis products by LC/MS/MS, and GC/MS/MS EUROPEAN PHARMACOPOEIA 2.8.13, USP 561, and EUROPEAN PHARMACOPOEIA 2.8.18 LC/MS/MS: Abamectin Acephate Acequinocyl Acetamiprid Aldicarb Allethrin Azadirachtin Azoxystrobin Benzovindiflupyr Bifenazate Bifenthrin Boscalid Buprofezin Carbaryl Carbofuran Chlorantraniliprole Chlorpyrifos (Dursban) Clofentezine Clothianidin Coumaphos Cyantraniliprole Cyfluthrin Cypermethrin Cyprodinil Daminozide Deltamethrin Diazinon Dichlorvos (DDVP) Dimethoate Dimethomorph Dinotefuran Dodemorph Endosulfan sulfate (Endosulphan sulphate) Ethoprophos</p>

	<p> Etofenprox Etoxazole Fenoxycarb Fenpyroximate Fensulfothion Fenthion Fenvalerate Fipronil Flonicamid Fludioxonil Fluopyram Hexythiazox Imazalil Imidacloprid Iprodione Kinoprene (Enstar) Kresoxim-methyl Malathion Metalaxyl Methiocarb Methomyl Methoprene Mevinphos (Phosdrin) MGK-264 Myclobutanil Naled (Dibrom) Novaluron Oxamyl Paclobutrazol Permethrin Phenothrin Phosmet (Imidan) Piperonyl butoxide Pirimicarb Prallethrin Propiconazole Propoxur (Baygon) Pyraclostrobin Pyrethrins Pyridaben Resmethrin Spinetoram Spinosad Spirodiclofen Spiromesifen Spirotetramat Spiroxamine Tebuconazole Tebufenozide Teflubenzuron Tetrachlorvinphos Tetramethrin </p>
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	<p>Thiacloprid Thiamethoxam Thiophanate-methyl Trifloxystrobin Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2</p> <p>GC/MS/MS: Chlorfenapyr Endosulfan I (Endosulphan I, a-Endosulfan) Endosulfan II (b-Endosulfan) Etridiazole Methyl parathion (Parathion-methyl) Pentachloronitrobenzene (Quintozene)</p>
QASM011	<p>Determination of heavy metals in Cannabis by ICP/MS EUROPEAN PHARMACOPOEIA 2.4.27 and USP 233 Arsenic Cadmium Lead Mercury</p>
QASM027	<p>Determination of percentage moisture in Cannabis by gravimetric analysis. EUROPEAN PHARMACOPOEIA 2.2.32 and USP 731</p>
QASM030	<p>Determination of residual solvents in cannabis products by GC/MS-Headspace. EUROPEAN PHARMACOPOEIA 5.4 and Modified USP 467 1-Pentanol 1-Propanol (Propanol) 2-Butanol 2-Butanone (Methyl ethyl ketone, MEK) 2-Propanol (Isopropyl alcohol) 3-Methyl-1-butanol Acetic acid Acetone (2-Propanone) Anisole Butane Butyl acetate Dimethyl sulfoxide Ethanol Ethyl acetate Ethyl ether Ethyl formate Formic acid Heptane Isobutanol (2-Methyl-1-propanol) Isobutyl acetate Isopropyl acetate Methyl acetate Methyl tert-butyl ether (MTBE)</p>

	<p>Pentane Propyl acetate Triethylamine</p>
QASM024	<p>Determination of terpenes in cannabis and cannabis products by GC/MS USP 736, and Modified USP 621 (-)-alpha-Bisabolol (-)-Isopulegol 3-Carene alpha-Cedrene alpha-Humulene alpha-Pinene alpha-Terpinene beta-Myrcene beta-Pinene Camphene Camphor Caryophyllene oxide Cedrol cis-Nerolidol Eucalyptol Fenchol Fenchone gamma-Terpinene Geraniol Geranyl acetate Guaiol Isoborneol Limonene Linalool Menthol Nerol Ocimene Phellandrene Pulegone Sabinene Sabinene hydrate Terpeneol Terpinolene Trans-Caryophyllene trans-Nerolidol Valencene</p>

QASM002	Determination of Mycotoxins in Animal Feed and Grains by LC/MS/MS 15-Acetyldeoxynivalenol 3-Acetyldeoxynivalenol Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 alpha-Zearalenol beta-Zearalenol Cyclopiazonic Acid Deoxynivalenol Diacetoxyscirpenol Fumonisin B1 Fumonisin B2 Fumonisin B3 Fusarenon X HT-2 Toxin Neosolaniol Nivalenol Ochratoxin A Sterigmatocystin T-2 Toxin Zearalenone
QASM005	Determination of Glyphosate, AMPA and Glufosinate in Animal Feeds and Grains by LC/MS/MS Aminomethylphosphonic acid (AMPA) Glyphosate Glufosinate
QASM003	Determination of Ergot Alkaloids in Animal Feed and Grains by LC/MS/MS Ergocornine Ergocorninine Ergocristine Ergocristinine Ergocryptine Ergocryptinine Ergometrine Ergometrinine Ergosine Ergosinine Ergotamine Ergotaminine

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Water (Drinking/Ground/Surface/Wastewater):

QASM001	Determination of dissolved metals in waters by ICP/MS
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	Modified EPA 200.8 Aluminum Antimony Arsenic Barium Beryllium Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Sodium Strontium Thallium Tin Titanium Uranium Vanadium Zinc
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FORENSICS

Biochemical Testing

QASM006*	Determination of per se drugs in blood by LC/MS/MS 6-Monoacetylmorphine Cocaine Gamma hydroxybutyrate (GHB) Ketamine Lysergic acid diethylamide (LSD) Methamphetamine Phencyclidine (PCP) Psilocin Psilocybin Tetrahydrocannabinol (THC)
QASM004*	Determination of Ethanol content in blood by GC/MS-Headspace
QASM007*	Determination of unknown drugs in blood and urine by LC/MS/MS, GC/MS-Headspace Drug Screening

Microbiological Testing

QASM036	Determination of microbiological parameters in cannabis and cannabis products by plating Total Aerobic Count Total Yeast & Mold Count Bile Tolerant Gram Negative Count Bile Tolerant Gram Negative presence/absence Escherichia coli count Escherichia coli presence/absence Salmonella spp presence/absence Staphylococcus aureus presence/absence Pseudomonas aeruginosa presence/absence Listeria monocytogenes presence/absence
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Biological Testing

QASM034	Determination of Hop Latent Viroid in Cannabis Plants Hop Latent Viroid (HLV)
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Other (specify):

Number of Scope Listings: 15

Notes:

* These test methods can be performed on-site as per RG- Forensic Laboratories _v2_2021-06-20

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

Elias Rafoul
 Vice-President, Accreditation Services
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