



CALA Scope of Accreditation

Laboratory Name: A & L Canada Laboratories, Inc.

Client ID: 1002756

Parent Institution:

Address: 2136 Jetstream Road, London, Ontario, N5V 3P5

Contact: Mr. Dave Stallard

Email: dstallard@alcanada.com

Phone: (519) 457-2575

Fax: (519) 457-2664

Standard: Conforms with requirements of ISO/IEC 17025:2017

Clients Served: All Interested Parties

Revised On: 04/26/2023

Valid To: 04/03/2025

006 - Metals

Field of Accreditation: Environmental

Matrix: Solids [Soil]

Analytical Method: ICP

Preparation Method: DIGESTION

Lab Method ID(s): ENV-G-005

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3050B	Yes	Yes	No
EPA 6010B	Yes	Yes	No

Parameter

Arsenic
Cadmium
Chromium
Copper
Lead
Molybdenum
Nickel
Selenium
Zinc

007 - Metals

Field of Accreditation: Environmental

Matrix: Compost

Analytical Method: ICP

Preparation Method: DIGESTION

Lab Method ID(s): ENV-G-007

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 3050B	Yes	Yes	No
EPA 6010B	Yes	Yes	No

Parameter

Aluminum
Arsenic
Boron
Cadmium
Calcium
Chromium
Cobalt
Copper
Iron
Lead
Magnesium
Manganese
Molybdenum
Nickel
Phosphorus
Potassium
Selenium
Sodium
Sulphur (Sulfur)
Zinc

010 - Mercury

Field of Accreditation: Environmental

Matrix: Compost

Analytical Method: COLD VAPOUR ATOMIC ABSORPTION (CVAA)

Preparation Method:

Lab Method ID(s): ENV-G-009

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 7471B	Yes	Yes	No

Parameter

Mercury

012 - Mercury

Field of Accreditation: Environmental**Matrix:** Solids [Soil]**Analytical Method:** COLD VAPOUR ATOMIC ABSORPTION (CVAA)**Preparation Method:****Lab Method ID(s):** ENV-G-006

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 7471B	Yes	Yes	No

Parameter

Mercury

013 - Nutrients

Field of Accreditation: Environmental**Matrix:** Solids [Soil]**Analytical Method:** ICP**Preparation Method:** MEHLICH 3 EXTRACTION**Lab Method ID(s):** AGR-G-001

Method Reference	Modified From	Analytical Method	Preparation Method
WESTERN STATES LABORATORY PROFICIENCY TESTING PROGRAM SOIL & PLANT ANALYTICAL METHODS	Yes	Yes	No

Parameter

Aluminum

Boron

Calcium

Copper

Iron

Magnesium

Manganese

Phosphorus

Potassium

Sodium

Sulphur (Sulfur)

Zinc

014 - Conductivity

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** CONDUCTIVITY METER**Preparation Method:****Lab Method ID(s):** ENV-G-021

Method Reference	Modified From	Analytical Method	Preparation Method
SM 2510	Yes	Yes	No

Parameter

Conductivity (25C)

016 - Ammonia

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** COLORIMETRIC**Preparation Method:****Lab Method ID(s):** ENV-G-014

Method Reference	Modified From	Analytical Method	Preparation Method
EPA 350.1	Yes	Yes	No

Parameter

Ammonia

018 - Nitrate plus Nitrite

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** COLORIMETRIC**Preparation Method:****Lab Method ID(s):** ARG-G-005

Method Reference	Modified From	Analytical Method	Preparation Method
SM 4500-NO3-	Yes	Yes	No

Parameter

Nitrate plus Nitrite

024 - pH

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** PH METER**Preparation Method:****Lab Method ID(s):** ENV-G-021

Method Reference	Modified From	Analytical Method	Preparation Method
SM 4500-H+	Yes	Yes	No

Parameter

pH

025 - Total Suspended Solids (TSS)

Field of Accreditation: Environmental**Matrix:** Water**Analytical Method:** GRAVIMETRIC**Preparation Method:****Lab Method ID(s):** ENV-G-019

Method Reference	Modified From	Analytical Method	Preparation Method
SM 2540 D	Yes	Yes	No

Parameter

Total Suspended Solids

031 - Biochemical Oxygen Demand (BOD)

Field of Accreditation: Environmental**Matrix:** Water [Effluent]**Analytical Method:** DISSOLVED OXYGEN METER (DO)**Preparation Method:****Lab Method ID(s):** ENV-G-018

Method Reference	Modified From	Analytical Method	Preparation Method
SM 5210	Yes	Yes	No

Parameter

BOD (5 day)

033 - Pesticides

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** GC/MS/MS**Preparation Method:** SOLVENT EXTRACTION**Lab Method ID(s):** ORG-M-051

Method Reference	Modified From	Analytical Method	Preparation Method
IN-HOUSE	No	Yes	No

Parameter

Chlorphenapyr

Cyfluthrin

Cypermethrin

Endosulfan I (a-Endosulfan)

Endosulfan II (b-Endosulfan)

Endosulfan sulfate (Endosulphan sulphate)

Etridiazole

Fenthion

Fenvalerate

Kinoprene (Enstar)

Methyl parathion (Parathion-methyl)

MGK-264

Quintozene

034 - Pesticides

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** LC/MS/MS**Preparation Method:** SOLID PHASE EXTRACTION (SPE)**Lab Method ID(s):** ORG-M-051

Method Reference	Modified From	Analytical Method	Preparation Method
IN-HOUSE	No	Yes	No

Parameter

Abamectin

Acephate

Acequinocyl

Acetamiprid

Aldicarb

Allethrin

Parameter

Azadirachtin
Azoxystrobin
Benzovindiflupyr
Bifenazate
Bifenthrin
Boscalid
Buprofezin
Carbaryl
Carbofuran
Chlorantraniliprole
Chlorpyrifos (Dursban)
cis-Permethrin
cis-Permethrin
Clofentezine
Clothianidin
Coumaphos
Cyantraniliprole
Cyprodinil
Daminozide
Deltamethrin
Diazinon
Dichlorvos (DDVP)
Dimethoate
Dimethomorph
Dinotefuran
Dodemorph
Ethoprophos
Etofenprox
Etoxazole
Fenoxycarb
Fenpyroximate
Fensulfothion
Fenvalerate
Fipronil
Flonicamid
Fludioxonil
Fluopyram
Hexythiazox
Imazalil
Imidacloprid
Iprodione
Kresoxim-methyl
Malathion
Metalaxyl
Methiocarb
Methomyl
Methoprene
Mevinphos (Phosdrin)
Myclobutanil
Naled (Dibrom)
Novaluron
Oxamyl
Paclobutrazol
Phenothrin
Phosmet (Imidan)
Piperonyl butoxide
Pirimicarb
Prallethrin
Propiconazole
Propoxur (Baygon)
Pyraclostrobin
Pyrethrin I
Pyrethrin II
Pyridaben
Resmethrin
Spinetoram
Spinosyn A
Spinosyn D
Spirodiclofen
Spiromesifen
Spirotetramat
Spiroxamine
Tebuconazole
Tebufenozide

Parameter

Teflubenzuron
 Tetrachlorvinphos
 Tetramethrin
 Thiacloprid
 Thiamethoxam
 Thiophanate-methyl
 Trifloxystrobin

035 - Microbial Identification

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** CULTURE (MSA)**Preparation Method:** CULTURE**Lab Method ID(s):** MIC-B-036

Method Reference	Modified From	Analytical Method	Preparation Method
EUROPEAN PHARMACOPUEIA 2.6.13	No	Yes	No
USP 62	No	Yes	No

Parameter

Staphylococcus aureus (S. aureus)

036 - Microbial Identification

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** SPREAD PLATE (XLD)**Preparation Method:** CULTURE**Lab Method ID(s):** MIC-B-039

Method Reference	Modified From	Analytical Method	Preparation Method
EUROPEAN PHARMACOPUEIA 2.6.31	No	Yes	No

Parameter

Salmonella

037 - Microbial Identification

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** CULTURE (XLD)**Preparation Method:** CULTURE**Lab Method ID(s):** MIC-B-036

Method Reference	Modified From	Analytical Method	Preparation Method
USP 62	No	Yes	No
EUROPEAN PHARMACOPUEIA 2.6.13	No	Yes	No

Parameter

Salmonella

038 - Microbial Identification

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** CULTURE (CENTRIMIDE)**Preparation Method:** CULTURE**Lab Method ID(s):** MIC-B-036

Method Reference	Modified From	Analytical Method	Preparation Method
USP 62	No	Yes	No
EUROPEAN PHARMACOPUEIA 2.6.13	No	Yes	No

Parameter

Pseudomonas aeruginosa (P. aeruginosa)

039 - Microbial Identification

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** CULTURE (VRBGA)**Preparation Method:** CULTURE**Lab Method ID(s):** MIC-B-036

Method Reference	Modified From	Analytical Method	Preparation Method
USP 62	No	Yes	No
EUROPEAN PHARMACOPUEIA 2.6.13	No	Yes	No

Parameter

Bile Tolerant Gram Negative (BTGN) bacteria

040 - Microbial Identification

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** CULTURE (MACCONKEY)**Preparation Method:** CULTURE

Lab Method ID(s): MIC-B-036

Method Reference	Modified From	Analytical Method	Preparation Method
EUROPEAN PHARMACOPOEIA 2.6.13	No	Yes	No
USP 62	No	Yes	No

Parameter

Escherichia coli

041 - Terpenes

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** GC/FID**Preparation Method:** SOLVENT EXTRACTION**Lab Method ID(s):** ORG-M-072

Method Reference	Modified From	Analytical Method	Preparation Method
IN-HOUSE	No	Yes	No

Parameter

(-)-alpha-Bisabolol
 4-Isopropyltoluene (p-Cymene)
 alpha-Cedrene
 alpha-Farnesene
 alpha-Humulene
 alpha-Phellandrene
 alpha-Pinene
 alpha-Terpinene
 alpha-Terpineol
 beta-Caryophyllene
 beta-Farnesene
 beta-Myrcene
 beta-Pinene
 Borneol
 Camphene
 Camphor
 Caryophyllene oxide
 Cedrol
 cis-Nerolidol
 delta-3-Carene
 d-Limonene
 Eucalyptol
 Fenchol
 Fenchone
 gamma-Terpinene
 Geraniol
 Geranyl acetate
 Guaiol
 Isoborneol
 Isopulegol
 Linalool
 Menthol
 Nerol
 Ocimene
 Pulegone
 Sabinene
 Sabinene hydrate
 Terpinolene
 trans-Nerolidol
 Valencene

042 - Water Activity

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** WATER ACTIVITY METER**Preparation Method:****Lab Method ID(s):** CAN-SOP-002

Method Reference	Modified From	Analytical Method	Preparation Method
USP 922	No	Yes	No

Parameter

Water Activity

043 - Heavy Metals

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** ICP/MS**Preparation Method:** MICROWAVE DIGESTION

Lab Method ID(s): ORG-M-060

Method Reference	Modified From	Analytical Method	Preparation Method
USP 233	No	Yes	No

Parameter

Arsenic
Cadmium
Lead
Mercury

044 - Cannabinoids**Field of Accreditation:** Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** HPLC/UV**Preparation Method:** SOLVENT EXTRACTION**Lab Method ID(s):** ORG-M-071

Method Reference	Modified From	Analytical Method	Preparation Method
IN-HOUSE	No	Yes	No

Parameter

Cannabichromenic acid (CBCA)
Cannabichromenic acid (CBCA)
Cannabicyclol
Cannabidiol (CBD)
Cannabidiolic acid (CBDA)
Cannabidivarin (CBDV, Cannabidivarol)
Cannabidivarinic acid (CBDVA)
Cannabigerol (CBG)
Cannabigerolic acid (CBGA)
Cannabinol (CBN)
Cannabinolic Acid (CBNA)
delta-8-Tetrahydrocannabinol (delta-8-THC)
delta-9-Tetrahydrocannabinol (delta-9-THC)
delta-9-Tetrahydrocannabinolic acid (delta-9-THCA)
Tetrahydrocannabidivarinic acid (THCVA)
Tetrahydrocannabivarin (THCV)

045 - Mycotoxins**Field of Accreditation:** Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** LC/MS/MS**Preparation Method:** SOLVENT EXTRACTION**Lab Method ID(s):** ORG-M-031

Method Reference	Modified From	Analytical Method	Preparation Method
USP 561	No	Yes	No
EUROPEAN PHARMACOPOEIA 2.8.18	No	Yes	No

Parameter

Aflatoxin B1
Aflatoxin B2
Aflatoxin G1
Aflatoxin G2
Ochratoxin A

047 - Enumerating Bacteria**Field of Accreditation:** Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** SPREAD PLATE (SDA)**Preparation Method:****Lab Method ID(s):** MIC-B-038

Method Reference	Modified From	Analytical Method	Preparation Method
USP 61	No	Yes	No
EUROPEAN PHARMACOPOEIA 2.6.12	No	Yes	No

Parameter

Total Yeast and Mould

048 - Enumerating Bacteria**Field of Accreditation:** Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** SPREAD PLATE (TSA)**Preparation Method:****Lab Method ID(s):** MIC-B-038

Method Reference	Modified From	Analytical Method	Preparation Method
USP 61	No	Yes	No
EUROPEAN PHARMACOPOEIA 2.6.12	No	Yes	No

Parameter

Total Aerobic Count

049 - Enumerating Bacteria

Field of Accreditation: Cannabis**Matrix:** Cannabis [Flower]**Analytical Method:** ENUMERATION (PETRIFILM)**Preparation Method:****Lab Method ID(s):** MIC-B-040

Method Reference	Modified From	Analytical Method	Preparation Method
AOAC 2014.05	No	Yes	No

Parameter

Total Yeast and Mould

† "OSDWA" indicates the appendix is used for the analysis of Ontario drinking water samples, which is subject to the rules and related regulations under the Ontario "Safe Drinking Water Act" (2002).

The list of tests and measurement capabilities for which a laboratory is accredited can change at any time due to circumstances such as scope extensions, voluntary withdrawal of tests by the laboratory and suspension. Scopes are published by the CALA via the Internet at http://www.cala.ca/cala_directories.html

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