



CALA Scope of Accreditation

Laboratory Name: ISURA**Client ID:** 1004022**Parent Institution:****Address:** 101-3680 Bonneville Place, Burnaby, British Columbia, V3N 4T5**Contact:****Email:****Phone:****Fax:****Standard:** Conforms with requirements of ISO/IEC 17025:2017**Clients Served:****Revised On:** 08/05/2021**Valid To:** 02/05/2024

001 - Pesticides

Field of Accreditation: Natural Health Products**Matrix:** Natural Health Products**Analytical Method:** GC/MS/MS**Preparation Method:****Lab Method ID(s):** MS-01 PESTICIDE

Method Reference	Modified From	Analytical Method	Preparation Method
USP 561	False	True	False

Parameter	Accredited
2,4'-DDD (o,p'-DDD)	Yes
2,4'-DDE (o,p'-DDE)	Yes
4,4'-DDD (p,p'-DDD)	Yes
4,4'-DDE (p,p'-DDE)	Yes
a - Chlordane	Yes
A -BHC	Yes
Alachlor	Yes
Aldrin	Yes
beta-Hexachlorocyclohexane (b-HCH, b-BHC, beta-HCH, beta-BHC)	Yes
Bromophos-ethyl	Yes
Bromophos-methyl	Yes
Bromopropylate	Yes
Chlorpyrifos ethyl	Yes
Chlorpyrifos methyl (Reldan)	Yes
Chlorthal-dimethyl	Yes
Cyfluthrin	Yes
Cypermethrin	Yes
delta-Hexachlorocyclohexane (d-HCH, d-BHC, delta-HCH, delta-BHC)	Yes
Deltamethrin	Yes
Dichlofluanid	Yes
Dicofol	Yes
Dieldrin	Yes
Endosulfan I	Yes
Endosulfan II	Yes
Endosulfan sulfate (Endosulphan sulphate)	Yes
Endrin	Yes
epsilon-BHC	Yes
Fenchlorophos-oxon (Ronoxon)	Yes
Fenchlorphos (Ronnel)	Yes
Fenitrothion	Yes
Fenpropathrin	Yes
Fensulfothion sulfone	Yes
Fenthion	Yes
Fenthion sulfone	Yes
Fenvalerate	Yes
Flucytrinate	Yes
Fonofos	Yes
g - Chlordane	Yes
Heptachlor	Yes
Heptachlor endo-epoxide	Yes
Heptachlor epoxide	Yes
Hexachlorobenzene (HCB)	Yes
Lindane (gamma-BHC)	Yes
Methacriphos	Yes
Methidathion (Supracide)	Yes
Methyl parathion (Parathion-methyl)	Yes
Mirex	Yes
o,p' - DDT	Yes

Parameter	Accredited
Oxychlorane	Yes
p,p' - DDT	Yes
p,p' Methoxychlor	Yes
Paraoxon-methyl	Yes
Parathion (ethyl)	Yes
Pentachloroaniline	Yes
Pentachloroanisole	Yes
Pentachloronitrobenzene (Quintozene)	Yes
Pentachlorothioanisole (Methyl pentachlorophenyl sulfide)	Yes
Permethrin	Yes
Phorate	Yes
Phosalone	Yes
Procymidone	Yes
Prothiophos (Tokuthion)	Yes
S-421	Yes
Tecnazene	Yes
Tetradifon	Yes
Vinclozolin	Yes

002 - Pesticides

Field of Accreditation: Natural Health Products

Matrix: Natural Health Products

Analytical Method: LC/MS/MS

Preparation Method:

Lab Method ID(s): MS-01 PESTICIDE

Method Reference	Modified From	Analytical Method	Preparation Method
USP 561	False	True	False

Parameter	Accredited
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Acephate	Yes
Atrazine	Yes
Azinphos-ethyl	Yes
Azinphos-methyl	Yes
Bendiocarb	Yes
Carbaryl	Yes
Carbofuran	Yes
Chlorfenvinphos	Yes
Cinerin I	Yes
Cinerin II	Yes
Cyanazine	Yes
Diazinon	Yes
Dichlorvos (DDVP)	Yes
Dimethoate	Yes
Diuron	Yes
Ethion	Yes
Etrimfos	Yes
Fensulfothion	Yes
Fensulfothion oxon	Yes
Fensulfothion oxon sulfone	Yes
Fenthion oxon	Yes
Fenthion oxon sulfone	Yes
Fenthion oxon sulfoxide	Yes
Fenthion sulfoxide	Yes
Jasmolin I	Yes
Jasmolin II	Yes
Malaaxon	Yes
Malathion	Yes
Mecarbam	Yes
Methamidophos	Yes
Metolachlor	Yes
Metribuzin	Yes
Monocrotophos	Yes
N-Desethyl-pirimiphos-methyl	Yes
Omethoate	Yes
Paraoxon-ethyl	Yes
Pendimethalin	Yes
Phosmet (Imidan)	Yes
Piperonyl butoxide	Yes
Pirimiphos-ethyl	Yes
Pirimiphos-methyl	Yes
Profenofos	Yes
Pyrethrin I	Yes
Pyrethrin II	Yes
Quinalphos	Yes
Simazine	Yes

003 - Total Dithiocarbamates**Field of Accreditation:** Natural Health Products**Matrix:** Natural Health Products**Analytical Method:** GC/MS-HEADSPACE**Preparation Method:****Lab Method ID(s):** MS-02 GC-EBDC**Method Reference**

A. ROYER, ET AL. 2001 DEVELOPMENT OF AUTOMATED HEADSPACE GAS CHROMATOGRAPHY DETERMINATION OF DITHIOCARBAMATES IN PLANT MATRICES

Modified From	Analytical Method	Preparation Method
False	True	False

Parameter	Accredited
Total Dithiocarbamates	Yes

004 - Genetically Modified Food (GMO)**Field of Accreditation:** Natural Health Products**Matrix:** Natural Health Products [Food, Oils, Powder]**Analytical Method:** QUANTITATIVE POLYMERASE CHAIN REACTION (PCR)**Preparation Method:****Lab Method ID(s):** GMO-01**Method Reference**INTEGRATED DNA TECHNOLOGIES (2015). PRIME TIME GENE EXPRESSION MASTER MIX. REV 1 SEPTEMBER 2015. CORALVILLE, IA: INTEGRATED DNA TECHNOLOGIES, INC
TAQMAN FAST ADVANCED MASTER MIX USER GUIDE REV D JULY 2017

Modified From	Analytical Method	Preparation Method
False	True	False
False	True	False

Parameter	Accredited
GMO (Screening)	Yes

005 - Heavy Metals**Field of Accreditation:** Natural Health Products**Matrix:** Natural Health Products**Analytical Method:** ICP/MS**Preparation Method:****Lab Method ID(s):** MS-03 ICPMS HEAVY METALS

Method Reference	Modified From	Analytical Method	Preparation Method
USP 232	False	True	False
USP 233	False	True	False

Parameter	Accredited
Arsenic	Yes
Barium	Yes
Cadmium	Yes
Cesium	Yes
Chromium	Yes
Copper	Yes
Iridium	Yes
Iron	Yes
Lead	Yes
Mercury	Yes
Molybdenum	Yes
Nickel	Yes
Osmium	Yes
Palladium	Yes
Platinum	Yes
Ruthenium	Yes
Selenium	Yes
Strontium	Yes
Vanadium	Yes
Zinc	Yes

006 - Residual Solvents**Field of Accreditation:** Natural Health Products**Matrix:** Natural Health Products**Analytical Method:** GC/MS-HEADSPACE**Preparation Method:****Lab Method ID(s):** MS-04 GCMS RESIDUAL SOLVENTS

Method Reference	Modified From	Analytical Method	Preparation Method
USP 467	False	True	False

Parameter	Accredited
1,1,1-Trichloroethane	Yes
1,1-Dichloroethylene	Yes
1,2-Dichloroethane	Yes
1,2-Dimethoxyethane	Yes
1-Butanol (n-Butanol)	Yes

Parameter	Accredited
1-Pentanol	Yes
1-Propanol (Propanol)	Yes
2-Butanol (sec-Butanol)	Yes
2-Hexanone (Methyl butyl ketone, MBK)	Yes
2-Methyl-1-propanol (Isobutanol)	Yes
2-Propanol (Isopropyl alcohol)	Yes
3-Methyl-1-butanol	Yes
Acetone (2-Propanone)	Yes
Acetonitrile	Yes
Anisole	Yes
Benzene	Yes
Butyl acetate	Yes
Carbon tetrachloride	Yes
Chlorobenzene	Yes
Chloroform	Yes
cis-1,2-Dichloroethylene	Yes
Cyclohexane	Yes
Dichloromethane	Yes
Ethanol	Yes
Ethyl acetate	Yes
Ethyl ether	Yes
Ethyl formate	Yes
Ethylbenzene	Yes
Heptane (n-Heptane)	Yes
Hexane (n-Hexane)	Yes
Isobutylacetate (2-Methylpropyl acetate)	Yes
Isopropyl acetate	Yes
Isopropylbenzene (Cumene)	Yes
m,p-Xylene	Yes
Methanol	Yes
Methyl acetate	Yes
Methyl ethyl ketone	Yes
Methyl formate	Yes
Methyl isobutyl ketone (MIBK)	Yes
Methyl t-butyl ether	Yes
Methylcyclohexane	Yes
Nitromethane	Yes
o-Xylene	Yes
p-Dioxane	Yes
Pentane	Yes
Propyl acetate	Yes
Pyridine	Yes
Tetrahydrofuran (THF)	Yes
Tetralin (1,2,3,4-Tetrahydronaphthalene)	Yes
Toluene	Yes
trans-1,2-Dichloroethylene	Yes
Trichloroethylene	Yes

007 - Glyphosate

Field of Accreditation: Natural Health Products

Matrix: Natural Health Products

Analytical Method: LC/MS/MS

Preparation Method:

Lab Method ID(s): MS-05

Method Reference	Modified From	Analytical Method	Preparation Method
USGS METHOD 5-A10	True	True	False

Parameter	Accredited
Glyphosate	Yes

008 - Glyphosate

Field of Accreditation: Environmental

Matrix: Water

Analytical Method: LC/MS/MS

Preparation Method:

Lab Method ID(s): MS-05

Method Reference	Modified From	Analytical Method	Preparation Method
USGS METHOD 5-A10	False	True	False

Parameter	Accredited
Glyphosate	Yes

† "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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