

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

**Legal Name of Accredited Laboratory: High North Laboratories**

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<b>SCC File Number:</b>	151300
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Biological Chemical/Physical
<b>Program Specialty Area:</b>	Agriculture Inputs, Food, Animal Health and Plant Protection (AFAP)
<b>Initial Accreditation:</b>	2023-10-10
<b>Most Recent Accreditation:</b>	2025-01-16
<b>Accreditation Valid to:</b>	2027-10-10

*Remarque: La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.*  
*Note: This scope of accreditation is also available in French as a document issued separately.*

## ANIMAL AND PLANTS (AGRICULTURE)

### Agricultural products (except food and chemicals):

#### Cannabis and Cannabis products

##### (Microbiological Tests)

MIC-MTD-001	Microbial Sample Preparation and Analysis of Cannabis Flower and Oil by qPCR Total Aerobic Microbial Count (TAMC), Total Yeast & Mould Count (TYMC), Bile-tolerant Gram-negative Bacteria (BTGN), E. coli, Salmonella spp. S.aureus, P.aeruginosa
MIC-MTD-012	Microbial Analysis of Cannabis and Cannabis Infused Products by TEMPO Total Aerobic Microbial Count (TAMC), Total Yeast and Mould Count (TYMC), Bile Tolerant Gram Negative Bacteria (BTGN), and Quantitative E.coli Matrix: Cannabis flower, Infused flower, Oil, Extract, Gummy, Brownie, Beverage, Isolate, Topical and Hash

##### (Chemical Analysis)

LAB-MTD-010	Determination of Health Canada Pesticide Residues and Toxins in Dried Cannabis Flower by LC-MS/MS and GC-MS/MS Abamectin, Acephate, Acequinocyl, Acetamiprid, Aflatoxin-B1, Aflatoxins B2, Aflatoxins G1, Aflatoxins G2, Aldicarb, Allethrin, Azadirachtin, Azoxystrobin, Benzovindiflupyr, Bifenazate, Bifentrin, Boscalid, Buprofezin, Carbaryl, Carbofuran, Chlorantraniliprole, Chlorphenapyr, Chlorpyrifos, Clofentezine, Clothianidin, Coumaphos, Cyantraniliprole, Cyfluthrin, Cypermethrin, Cyprodinil, Daminozide, Deltamethrin, Diazinon, Dichlorvos, Dimethoate, Dimethomorph, Dinotefuran, Dodemorph, Endosulfan sulfate, Endosulfan-alpha, Endosulfan-beta, Ethoprophos, Etofenprox, Etoxazole, Etridiazole, Fenoxycarb,
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	<p>Fenpyroximate, Fensulfothion, Fenthion, Fenvalerate, Fipronil, Flonicamid, Fludioxonil, Fluopyram, Hexythiazox, Imazalil, Imidacloprid, Iprodione, Kinoprene, Kresoxim methyl, Malathion, Metalaxyl, Methiocarb, Methomyl, Methoprene, Mevinphos, MGK-264, Myclobutanil, Naled, Novaluron, Ochratoxin-A, Oxamyl, Paclobutrazol, Parathion-methyl, Permethrin, Phenothrin, Phosmet, Piperonyl butoxide, Pirimicarb, Prallethrin, Propiconazole, Propoxur, Pyraclostrobin, Pyrethrins, Pyridaben, Quintozene, Resmethrin, Spinetoram, Spinosad, Spirodiclofen, Spiromesifen, Spirotetramat, Spiroxamine, Tebuconazole, Tebufenozide, Teflubenzuron, Tetrachlorvinphos, Tetramethrin, Thiadiazotol, Thiamethoxam, Thiophanate-methyl, Trifloxystrobin</p>
LAB-MTD-017	<p>Determination of Moisture Content by Loss on Drying Technique using Moisture Analyzer Matrix: Cannabis flower</p>
LAB-MTD-020	<p>Determination of 16 Cannabinoids in Cannabis Flowers, Extracts, Topicals, Tablets and Isolates by HPLC Cannabidivarinic acid (CBDVA), Cannabidivarin (CBDV), Cannabidiolic acid (CBDA), Cannabigerolic acid (CBGA), Cannabigerol (CBG), Cannabidiol (CBD), Tetrahydrocannabivarin (THCV), Cannabichromevarin (CBCV), Tetrahydrocannabivarinic Acid (THCVA), Cannabinol (CBN), Cannabichromevarinic Acid (CBCVA), <math>\Delta^9</math>-Tetrahydrocannabinol (<math>\Delta^9</math>-THC), <math>\Delta^8</math>-Tetrahydrocannabinol (<math>\Delta^8</math>-THC), Cannabichromene (CBC), <math>\Delta^9</math>-Tetrahydrocannabinolic acid (THCA), Cannabichromenic Acid (CBCA)</p>
LAB-MTD-022	<p>Sample Appearance and Detection of Foreign Matter Content in Cannabis Samples Technique: Visual inspection</p>
LAB-MTD-036	<p>Determination of Residual Solvents in Cannabis Oil by GC-MS Propane, Butane, Pentane, Ethanol, Ethyl ether, Acetone, 2-Propanol, Ethyl formate, Methyl</p>

	acetate, Tert-Butylmethyl ether, 2-Butanol, 2-Methyl-1-propanol, Isopropyl acetate, Triethylamine, Heptane, 1-Butanol, Propyl acetate, 3-Methyl-1-butanol, Isobutyl acetate, 1-Pentanol, 1-Propanol, Methyl ethyl ketone, Ethyl acetate, Butyl acetate, Dimethyl sulfoxide, Anisole
LAB-MTD-039	Determination of 11 Cannabinoids in Cannabis Edibles by HPLC/DAD Cannabidiol (CBD), Cannabidiol acid (CBDA), Cannabigerol (CBG), Cannabidiol (CBD), Tetrahydrocannabinol (THC), Cannabinol (CBN), $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC), $\Delta^8$ -Tetrahydrocannabinol ( $\Delta^8$ -THC), Cannabichromene (CBC), Tetrahydrocannabinolic acid (THCA) Matrix: Solid edible, Liquid edible
LAB-MTD-044	Determination of Terpene Content in Cannabis Dried Flower, Fresh Flower and Extract by GC-MS Alpha-Pinene, Camphene, Sabinene, Beta-Pinene, Beta-Myrcene, (1S)-3-Carene, Alpha-Phellandrene, Alpha-Terpinene, (R)-(+)-Limonene, Ocimene, Cymene*, Eucalyptol, Gamma-Terpinene, Sabinene Hydrate, Terpinolene, Linalool, Fenchone, Alpha-Thujone, (R)-Endo-(+)-Fenchyl Alcohol, Isopulegol, Menthyl (Hexahydrothymol), Isoborneol, Camphor, Menthone*, Terpinen-4-ol, Borneol, Octyl Acetate, alpha-Terpineol, Citronellol, Nerol, Safranal, Geraniol, Citral*, Verbenone, Pulegone, Carvone, Isobornyl Acetate, (-)-Piperitone, d-Valerolactam (2-piperidone), Thymol, Carvacrol, Geranyl acetate, Alpha-Cedrene, Trans-Caryophyllene, Eugenol, Alpha-Humulene, Farnesene*, Valencene, cis-Nerolidol, trans-Nerolidol, Guaiol, Caryophyllene oxide, (+)-Cedrol, Phytane, Alpha-Bisabolol, Farnesol*, Nootkatone, Phytol*, Squalene *Mixture of Isomers
LAB-MTD-046	Determination of Health Canada Pesticides and Toxins in Cannabis Extracts by LC-MS/MS

	<p>Abamectin, Acephate, Acequinocyl, Acetamiprid, Aflatoxin-B1, Aflatoxins B2, Aflatoxins G1, Aflatoxins G2, Aldicarb, Allethrin, Azadirachtin, Azoxystrobin, Benzovindiflupyr, Bifenazate, Bifentrin, Boscalid, Buprofezin, Carbaryl, Carbofuran, Chlorantraniliprole, Chlorphenapyr, Chlorpyrifos, Clofentezine, Clothianidin, Coumaphos, Cyantraniliprole, Cyfluthrin, Cypermethrin, Cyprodinil, Daminozide, Deltamethrin, Diazinon, Dichlorvos, Dimethoate, Dimethomorph, Dinotefuran, Dodemorph, Endosulfan sulfate, Endosulfan-alpha, Endosulfan-beta, Ethoprophos, Etofenprox, Etoxazole, Etridiazole, Fenoxycarb, Fenpyroximate, Fensulfothion, Fenthion, Fenvalerate, Fipronil, Flonicamid, Fludioxonil, Fluopyram, Hexythiazox, Imazalil, Imidacloprid, Iprodione, Kinoprene, Kresoxim methyl, Malathion, Metalaxyl, Methiocarb, Methomyl, Methoprene, Mevinphos, MGK-264, Myclobutanil, Naled, Novaluron, Ochratoxin-A, Oxamyl, Paclobutrazol, Parathion-methyl, Permethrin, Phenothrin, Phosmet, Piperonyl butoxide, Pirimicarb, Prallethrin, Propiconazole, Propoxur, Pyraclostrobin, Pyrethrins, Pyridaben, Quintozene, Resmethrin, Spinetoram, Spinosad, Spirodiclofen, Spiromesifen, Spirotetramat, Spiroxamine, Tebuconazole, Tebufenozide, Teflubenzuron, Tetrachlorvinphos, Teramethrin, Thiacloprid, Thiamethosam, Thiophanate-methyl, Trifloxystrobin</p>
LAB-MTD-050	<p>Multi-Element Analysis of Cannabis Dried Flower, Fresh Flower, Extracts, Rolling Papers by ICP-MS Arsenic (As), Cadmium (Cd), Lead (Pb), Mercury (Hg), Chromium (Cr), Nickel (Ni), Copper (Cu), Zinc (Zn)</p>

Number of Scope Listings: 11

**Notes:**

**LAB-MTD:** Internal Laboratory Method

**MIC-MTD:** Internal Microbiology Method

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-ccn.ca](http://www.scc-ccn.ca).

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