

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

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

Contact Name: Mr. Rick Moriarity

Address: 241 Hanlan Rd. Unit 7  
Woodbridge, Ontario  
L4L 3R7

Telephone: 416 864 6122

Website: [www.highnorth.com](http://www.highnorth.com)

Email: [rick@highnorth.com](mailto:rick@highnorth.com)

<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>	2023-10-10
<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:**

**Microbiological Tests**

MIC-MTD-001	Microbial Sample Preparation and Analysis of Cannabis Flower and Oil by qPCR Total Aerobic Microbial Count (TAMC), Total Yeast & Mold Count (TYMC), Bile-tolerant Gram-negative Bacteria (BTGN), E. coli, Salmonella spp. S.aureus, P.aeruginosa
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**(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, Aflatoxins 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, Thiachloprid, Thiamethosam, Thiophanate-methyl, Trifloxystrobin
LAB-MTD-017	Determination of Moisture Content by Loss on Drying Technique using Moisture Analyzer
LAB-MTD-020	Determination of 11 Cannabinoids in Cannabis Dried Flower, Fresh Flower, Kief, Oil, and Concentrates by HPLC/DAD Cannabidivarin(CBDV), Cannabidiolic acid (CBDA), Cannabigerolic acid (CBGA), Cannabigerol (CBG), Cannabidiol (CBD), Tetrahydrocannabivarin (THCV), Cannabinol (CBN), Δ9-Tetrahydrocannabinol (Δ9-THC), Δ8-

	Tetrahydrocannabinol ( $\Delta^8$ -THC), Cannabichromene (CBC), Tetrahydrocannabinolic acid (THCA)
LAB-MTD-022	Sample Appearance and Detection of Foreign Matter Content in Cannabis Samples
LAB-MTD-036	Determination of Residual Solvents in Cannabis Oil by GC-MS Propane, Butane, Pentane, Ethanol, Ethyl ether, Acetone, 2-Propanol, Ethyl formate, Methyl 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), Cannabidiolic acid (CBDA), Cannabigerolic acid (CBGA), Cannabigerol (CBG), Cannabidiol (CBD), Tetrahydrocannabivarin (THCV), Cannabinol (CBN), $\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THC), $\Delta^8$ -Tetrahydrocannabinol ( $\Delta^8$ -THC), Cannabichromene (CBC), Tetrahydrocannabinolic acid (THCA)
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, Methol (Hexahydrothymol), Isoborneol, Camphor, Methone*, 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 Abamectin, Acephate, Acequinocyl, Acetamiprid, Aflatoxins B1, Aflatoxins B2, Aflatoxins G1, Aflatoxins G2, Aldicarb, Allethrin, Azadirachtin, Azoxystrobin, Benzovindiflupyr, Bifenazate, Bifenthrin, 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, Fensulfthion, 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
LAB-MTD-050	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)

Number of Scope Listings: 10

**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.ca](http://www.scc.ca).

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Elias Rafoul  
Vice-President, Accreditation Services  
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