

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

**Legal Name of Accredited Laboratory:** IEH Services Canada Inc.- IEH-BROOKS

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<b>SCC File Number:</b>	15532
<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) Environmental Testing (ET)
<b>Initial Accreditation:</b>	2002-02-18
<b>Most Recent Accreditation:</b>	2023-11-23
<b>Accreditation Valid to:</b>	2026-02-18

*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)

### **Foods and Edible Products (Human and Animal Consumption):**

**(Meat, Fruits and Vegetables, Processed Foods, Nuts and Nut Products, Animal Tissue, Meat, Eggs and Egg Products) Beverages, Spirits and Vinegar**

AOAC-RI PTM 021201	IEH <i>Listeria spp.</i> and <i>L. monocytogenes</i> Test System
AOAC-RI PTM 100701	IEH <i>E. coli</i> O157, Stx-producing <i>E. coli</i> (STEC) with Intimin and Salmonella Test System.
MB072	Coliform/ <i>E. coli</i> Count in Food and Environmental Samples (Microfilm™ TCEc) AOAC-RI PTM 057102
MB073	Aerobic Plate Count in Food and Environmental Samples (Microfilm™ APC) AOAC-RI PTM 057102
MB074	Yeast and Mold Count Samples (Microfilm™ YMC) AOAC-RI PTM 057102
MB491	Process Control Index (PCT) Testing
MFHPB-32	Enumeration of Yeast and Mold in Food Products and Food Ingredients Using 3M™ Petrifilm™ Yeast and Mold Plates
MFHPB-33	Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients Using 3M™ Petrifilm™ Aerobic Count Plates
MFHPB-34	Enumeration of <i>E. coli</i> and Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ <i>E. coli</i> Plates
MFLP 09	Enumeration of Enterobacteriaceae species in Food and Environmental Samples Using 3M™ Petrifilm™ Enterobacteriaceae Count Plates
MFLP-21	Enumeration of <i>Staphylococcus aureus</i> in Foods and Environmental Samples using 3M™ Petrifilm™ Staph Express Count (STX) Plates

### **Environmental:**

#### **Soil**

#### **(Ammonium - Soil)**

SOP 4311	AUTO COLOR (Modified CSSS 1993 4.2-4.3) NH <sub>4</sub> -N (with 2.0M KCL)
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**(Available Phosphorus - Soil)**

SOP 4400	AUTO COLOR (Modified QIAN ET. AL. 1993) Available Phosphorus (modified Kelowna)
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**(Conductivity - Soil)**

SOP 4150	CONDUCTIVITY METER (Modified CSSS 1993 18.3.1) Conductivity (fixed ratio extract) Conductivity (saturated paste)
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**(Metals - Soil / AA)**

SOP 4200	ATOMIC ABSORPTION (Modified CSSS 1993 18.3.2) Calcium (saturated paste) Magnesium (saturated paste) Sodium (saturated paste)
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**(Nitrate - Soil)**

SOP 4300	AUTO COLOR (Modified CSSS 1993 4.2-4.4) NO <sub>3</sub> -N extraction (with 0.01M CaCl <sub>2</sub> ) NO <sub>3</sub> -N extraction (with 2.0M KCl)
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**(Particle Size - Soil)**

SOP 4000	HYDROMETER (Modified CSSS 1993 47.3) Particle Size
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**(pH - Soil)**

SOP 4160	pH METER (Modified CSSS 1993 16.2-16.3)  pH (0:01M CaCl <sub>2</sub> ) pH (saturated paste) pH (1:2 H <sub>2</sub> O)
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**Water (Inorganic)**

**(Alkalinity - Water)**

SOP 3210	TITRIMETRIC (Modified APHA 2320) Alkalinity (pH 4.5)
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**(Ammonia - Water)**

SOP 3550	COLORIMETRIC/SEGEMENTED FLOW ANALYSIS (Modified APHA 4500-NH <sub>3</sub> -G) Ammonia
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**(Calcium - Water)**

SOP 3400	ATOMIC ABSORPTION (Modified APHA 3111D) Dissolved Calcium
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**(Chloride - Water)**

SOP 3700	COLORIMETRIC/SEGEMENTED FLOW ANALYSIS (Modified APHA 4500-CL E) Chloride
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**(Conductivity - Water)**

SOP 3100	CONDUCTIVITY METER (Modified APHA 2510) Conductivity (25°C)
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**(Major Ions - Water)**

NITRATE, NITRATE + NITRITE SOP 3500; NITRITE SOP 3510	COLORIMETRIC/SEGEMENTED FLOW ANALYSIS (Modified APHA 4500-NO3 F) Nitrate Nitrate plus Nitrite Nitrite
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**(Metals - Water/AA)**

SOP 3400	ATOMIC ABSORPTION (modified APHA 3111B) Dissolved Magnesium Dissolved Potassium Dissolved Sodium
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**(pH - Water)**

SOP 3200	pH-METER (Modified APHA 4500-H+ B) pH
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**(Phosphorus - Water)**

TP-SOP 3600; DRP-SOP 3610	COLORIMETRIC/SEGEMENTED FLOW ANALYSIS (Modified APHA 4500-P F) Dissolved Reactive Phosphorus Total Phosphorus
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**(Solids - Water)**

TDS - SOP3020	GRAVIMETRIC (Modified APHA 2540C) Total Dissolved Solids
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**(Sulfate - Water)**

SOP 3800	COLORIMETRIC/SEGEMENTED FLOW ANALYSIS (Modified APHA 4500 SO42 F) Sulfate
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**(Total Kjeldahl Nitrogen (TKN) - Water)**

SOP 3560	COLORIMETRIC/SEGEMENTED FLOW ANALYSIS (Modified APHA 4500 N org D.) Total Kjeldahl Nitrogen
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Number of Scope Listings: 30

**Notes:**

**ISO/IEC 17025:2017** General Requirements for the Competence of Testing and Calibration

**MFHPB/MFLP:** Health Canada Compendium Methods

**AOAC:** Association of Official Agricultural Chemists

**SOP/ TP-SOP/ TDS-SOP/MB:** Lab's Standard Operating Procedures for internal Test Methods

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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