

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Accredited Laboratory No. 261

Legal Name of Accredited Laboratory: Canadian Food Inspection Agency

Location Name or Operating as (if applicable): OTTAWA LABORATORY (CARLING)

Contact Name: Neil Vary

Address: Building 22, Central Experimental Farm, 960 Carling Ave, Ottawa, ON K1A 0C6

Telephone: +1 613 759 1207

Fax: +1 613 759 1277

Email: Neil.Vary@canada.ca

SCC File Number:	15342
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Biological Chemical/Physical
Program Specialty Area:	Agriculture Inputs, Food, Animal Health and Plant Protection (AFAP) Test Method Development and Evaluation and Non-routine Testing (TMDNRT)
Initial Accreditation:	1997-10-08
Most Recent Accreditation:	2021-03-14
Accreditation Valid to:	2021-10-08

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 separately issued document.

TEST METHOD DEVELOPMENT & EVALUATION AND NON-ROUTINE TESTING

Note: Laboratories accredited under this Program Specialty Area (PSA) have demonstrated that they meet ISO/IEC 17025 requirements for routine testing as described under the Product Service Classes of **ANIMAL and PLANTS (AGRICULTURE)** and **CHEMICAL and CHEMICAL PRODUCTS**

The subject PSA activities, in support of the OLC food, feed and fertilizer testing programs, are conducted according to quality assurance principles meeting ISO 17025 standards. The specific activities are:

1. the development and evaluation of new testing methodology for the detection of microbial pathogens in foods, feeds, and fertilizers;
2. the detection of chemical residues and trace elements in foods, feeds and fertilizers;
3. the determination of food authenticity;

The activities also include the modification, improvement and evaluation of published or existing test methodology in the program areas identified above.

ANIMAL AND PLANTS (AGRICULTURE)

Food and Edible Products: (Human and Animal Consumption):

Animal or Vegetable Fats and Oils and their Cleavage Products; Prepared Edible Fats; Animal or Vegetable Waxes; Beverages Spirits and Vinegars; Dairy Products; Eggs and Processed Egg Products; Meat and Edible Meat Offal; Preparation of Vegetables, Fruits, Nuts and Parts of Plants; Sugars and Sugar Confectionery (Honey, Maple products)

Food-Chemical

FLS-1994-018	Determination of Minerals in Food Using ICP Spectrometry
FLS-1996-016	Soluble Solids Determination by Refractometer
FLS-1998-005	Detection of Irradiated Food Containing Fat by GC-MSD Analysis of Hydrocarbons
FLS-1998-012	Determination of Peroxide Value in Fats and Oils by Titration
FLS-1998-013	Spectrophotometric Evaluation of Fats in the Ultraviolet
FLS-1998-014	Determination of the Content of Waxes, Fatty Acid Methyl Ethyl Esters and Fatty Acid Ethyl Esters by Capillary Gas Chromatography
FLS-1998-016	Determination of the Composition and Content of Sterols by Capillary-Column Gas Chromatography
FLS-1998-017	Determination of Free Fatty Acids in Fats and Oils by Titration
FLS-1998-019	Determination of Stigmastadienes in Fats and Oils by Gas Chromatography (GC-FID)
FLS-1998-020	Determination of Sterenes in Refined Fats and Oils by GC-FID
FLS-1998-021	Calculation of Theoretical ECN42 Triglycerides and Difference Between Actual ECN42 and Theoretical ECN42 Triglycerides in Olive and Olive-Pomace Oils

FLS-1998-022	Preparation and Analysis of Fatty Acid Methyl Esters by Capillary-Column Gas Chromatography
FLS-1998-034	Determination of Ash in Food
FLS-1999-011	Determination of D-Malic and L-Malic Acid in Juices by HPLC
FLS-1999-012	Determination of Organic Acids in Juices and Beverages by HPLC
FLS-1999-013	Nitrites and Nitrates in Meat and Meat Products by HPLC
FLS-2004-002	Determination of Tocopherols in Oils by High Performance Liquid Chromatography
FLS-2006-002	Hydroxymethylfurfural (HMF) in Honey (HPLC Method)
FLS-2006-003	Water Insoluble Solids in Honey by Filtration
FLS-2006-004	Diastase Activity in Honey
FLS-2006-006	Moisture in Honey by Refractive Index
FLS-2006-007	Acidity in Honey by Titration
FLS-2006-008	PFund Colour of Honey
FLS-2010-001	Determination of the Percentage of 2-Glyceryl Monopalmitate by Gas Chromatography
FLS-2015-001	Determination of Sugars in Food by UPLC-RI
FLS-2015-003	Determination Of Delta Carbon-13 Value By Cavity Ring-Down Spectroscopy

Food-Microbiological

CFIA-FMWG-001	Enumeration of <i>Escherichia coli</i> Using Compact Dry EC Medium Count Plates
MFHPB-03	Determination of the pH of Foods Including Foods in Hermetically Sealed Containers
MFHPB-10	Isolation of <i>E.coli</i> O157:H7/NM from foods and environmental surface samples
MFHPB-19	Enumeration of Coliforms, Faecal Coliforms and of <i>E. coli</i> in Foods Using the MPN Method
MFHPB-20	Isolation and Identification of <i>Salmonella</i> from Food and Environmental Samples
MFHPB-21	Enumeration of <i>Staphylococcus aureus</i> in Foods
MFHPB-30	Isolation of <i>Listeria monocytogenes</i> and other <i>Listeria</i> spp. from Foods and Environmental Samples
MFHPB-33	Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients Using 3M™ Petrifilm™ Aerobic Count Plates
MFHPB-34	Enumeration of <i>Escherichia coli</i> and Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ <i>E. coli</i> Count Plates
MFLP-15	The Detection of <i>Listeria</i> Species from Environmental Surfaces Using the Dupont Qualicon BAX® System Method and Direct Plating

MFLP-22	Characterization of verotoxigenic <i>Escherichia coli</i> O157:H7 colonies by polymerase chain reaction (PCR) and cloth-based hybridization array system (CHAS)
MFLP-28	The Qualicon BAX® System Method for the Detection of <i>Listeria monocytogenes</i> in a Variety of Food
MFLP-29	The Qualicon BAX® System Method for the Detection of <i>Salmonella</i> in a Variety of Food and Environmental Samples
MFLP-30	Detection of <i>Escherichia coli</i> O157:H7 in select foods using the BAX® System <i>E. coli</i> O157:H7 MP
MFLP-52	Isolation and identification of priority verotoxigenic <i>Escherichia coli</i> (VTEC) in foods
MFLP-53	Identification of <i>Listeria monocytogenes</i> colonies by polymerase chain reaction (PCR) and cloth-based hybridization array system (CHAS)
MFLP-66	Determination of Water Activity Using the Decagon Aqualab
MFLP-74	Enumeration of <i>Listeria monocytogenes</i> in Food
MFLP-75	Procedure for the Isolation of <i>Salmonella</i> species by the Modified Semi-Solid Rappaport Vassiliadis (MSRV) Method
MFLP-77	Detection of <i>Listeria monocytogenes</i> and other <i>Listeria</i> spp. in food products and environmental samples by the VIDAS® <i>Listeria</i> species Xpress (LSX) method

Feeds

Inorganic/Refer to Fertilizers

FFIC-INSOL-FAT	Insoluble Solids in Fat by Gravimetry
FFIC-MULTI-ICP-MS	Determination of 13 Elements In Feed And Fertilizer by Inductively Coupled Plasma Mass Spectrometry

Microscopy

FD-BIO-MCR	Feed and Fertilizer Microscopy
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Organic - Drugs and Antibiotics

FD-BIO-CTC	Determination of Chlortetracycline in Animal Feeds by Agar Plate Diffusion Bioassay
FD-BIO-LINC	Determination of Lincomycin in Animal Feeds by Agar Plate Diffusion Bioassay
FD-BIO-PEN	Determination of Penicillin G in Animal Feeds by Agar Plate Diffusion Bioassay
FD-BIO-TYL	Determination of Tylosin in Animal Feeds by Agar Plate Diffusion Bioassay
FD-BIO-VMY	Determination of Virginiamycin in Animal Feeds by Agar Plate Diffusion Bioassay.

FD-DRUGS-AMP	Determination of Amprolium in Feeds by Liquid Chromatography
FD-DRUGS-DEC	Determination of Decoquinatate in Feeds by Liquid Chromatography
FD-DRUGS-IONO4	Liquid Chromatographic Determination of Monensin, Narasin and Salinomycin in Feeds using Post-Column Derivatization.
FD-DRUGS-LAS-RP	Determination of Lasalocid Sodium in Animal Feeds and Premixes by Reversed Phase Liquid Chromatography
FD-DRUGS-LCMSMS1	Liquid Chromatographic Determination of Low Level Feed Drugs by ESI LC/MS/MS
FD-DRUGS-LCMSMS2	Liquid Chromatographic Determination of Tylosin, Lincomycin, Virginiamycin, Erythromycin and Novobiocin at Low Levels in Animal Feed by ESI LC/MS/MS
FD-DRUGS-NIC-LC	Liquid Chromatographic Determination of Nicarbazine in Feeds and Premixes
FD-DRUGS-OTC-LC	Determination of Oxytetracycline in Feeds by Liquid Chromatography
FD-DRUGS-SQN	Determination of Sulfamethazine in Medicated Feeds by LC with Post-Column Derivatization
FD-DRUGS-SQNR	Determination of Trace Levels of Sulfamethazine in Animal Feeds by LC with Post-Column Derivatization
FD-DRUGS-TIA	Determination of Tiamulin in Feeds and Drug Premixes
FD-DRUGS-TIL	Determination of Tilmicosin in Feeds by Liquid Chromatography

Toxins

FD-TOXINS-ERG	Determination of Ergot alkaloids in Feeds and Feed Ingredients by Liquid Chromatography Tandem Mass Spectrometry
FD-TOXINS-FUM-LCMS	Liquid Chromatographic Determination of Total Fumonisin (B1 and B2) in Animal Feed by ESI LC/MS/MS
FD-TOXINS-MULTITOX	Determination of Mycotoxins in Feed and Feed Ingredients by Liquid Chromatography with Tandem Mass Spectrometer Detection
FD-TOXINS-TRICO-LCMS	Determination of Trichothecenes in Feed by ESI LC/MS/MS

CHEMICALS and CHEMICAL PRODUCTS

Chemicals for Agricultural Industry:

Fertilizers

Refer to Feeds (Inorganic)

FFIC-Hg-DMA	Total Mercury in Feed and Fertilizer by Direct Mercury Analyser
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FFIC-Hg-ICP-MS	Determination of Mercury in Feed and Fertilizer by Inductively Coupled Plasma Mass Spectrometry
FFIC-Moisture-105C	Loss on Drying by Regulate Air Oven (105°C for 16 Hours)
FFIC-23-ICP-OES	23 Major, Minor, and Trace Elements in Feeds, Fertilizer and Compost by ICP-OES after Microwave Assisted Acid Digestion
FT-MIN-P ₂ O ₅ -QMP	Available Phosphoric Acid in Fertilizer Gravimetric Quinolinium Molybdophosphate Method

Number of Scope Listings: 75

Notes:

RG-TMDNRT: SCC Requirements and Guidance for Accreditation of laboratories Engaged in Test Method Development and Non-Routine Testing

CFIA: Canadian Food Inspection Agency

FD-BIO: Feed Microscopy and Bioanalysis Section

FD-DRUGS: Feed - Organic Chemistry Section

FFIC: Feed and Fertilizer Chemistry Section – Inorganic

FLS: Food Laboratory Services

FMWG: Food Microbiology Working Group

FT-MIN: Fertilizer - Inorganic Chemistry Section

MFHPB: HPB Methods of Microbiological Analysis for Foods

MFLP: Laboratory Procedures of Microbiological Analysis for Foods

OLC: Ottawa Laboratory Carling

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.

Elias Rafoul
 Vice-President, Accreditation Services
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