

**Standards Council of Canada**

600-55 Metcalfe Street  
Ottawa, ON K1P 6L5  
Canada

**Conseil canadien des normes**

55, rue Metcalfe, bureau 600  
Ottawa, ON K1P 6L5  
Canada

**SCOPE OF ACCREDITATION**

**Canadian Food Inspection Agency  
OTTAWA LABORATORY (CARLING)  
Building 22, Central Experimental Farm, 960 Carling Ave  
Ottawa, ON  
K1A 0C6**

Accredited Laboratory No. 261  
(Conforms with requirements of ISO/IEC 17025:2005, RG-LAB, RG-TMDNRT)

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CLIENTS SERVED: Normally Reserved for Internal Clients

FIELDS OF TESTING: Biological, Chemical/Physical

PROGRAM SPECIALTY AREA: Agriculture Inputs, Food, Animal Health and Plant Protection (PSA-AFAP) , Test Method Development and Evaluation and Non-Routine Testing

INITIAL ACCREDITATION DATE: 1997-10-08

SCOPE ISSUED ON: 2018-03-23

ACCREDITATION VALID TO: 2021-10-08

**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)**

**Foods 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-1994-002	Determination of Lactose in Foods by HPLC
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

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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

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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-25	Isolation and Identification of <i>Shigella</i> spp. from Foods
MFLP-26	Detection of <i>Shigella</i> spp. in Foods by the Polymerase Chain Reaction (PCR)
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

### 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

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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-RAC	Determination of Ractopamine Hydrochloride in Feeds by Liquid Chromatography
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 Tilimicosin in Feeds by Liquid Chromatography

**(Toxins)**

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	Determination of Trichothecene Mycotoxins in Feed and Feed Ingredients by Gas Chromatography with Ion-Trap Mass Spectrometer Detection Using Acetonitrile Chemical Ionization

## **CHEMICALS AND CHEMICAL PRODUCTS**

### **Chemicals for Agricultural Industry:**

#### **Fertilizers**

Refer to Feeds (Inorganic)

FFIC-Hg-DMA	Total Mercury in Feeds, Fish Meals, Fish Oils, Composts and Sludges by Direct Mercury Analyser (DMA-80)
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-NLECO	Determination of Nitrogen in Fertilizer by Combustion Utilizing the FP-2000 Protein/Nitrogen Analyzer.
FT-MIN-P <sub>2</sub> O <sub>5</sub> -QMP	Available Phosphoric Acid in Fertilizer Gravimetric Quinolinium Molybdophosphate Method

#### **Notes:**

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

**RG-LAB:** SCC Requirements and Guidance for the Accreditation of Testing Laboratories

**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

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Elias Rafoul, Vice President  
Accreditation Services

Date: 2018-03-23

Number of Scope Listings: 77  
SCC 1003-15/342

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Partner File #0

Partner: None