

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: **CENTRAL TESTING LABORATORY LTD.**

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SCC File Number:	15784
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) Environmental Testing (ET)
Initial Accreditation:	2010-02-23
Most Recent Accreditation:	2023-10-23
Accreditation Valid to:	2026-02-23

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products (Human and Animal Consumption):

Cereals and Products of the Milling Industry

Feeds

(Chemistry)

CTL-MICPSOP	Minerals by ICP-OES Ca Cu Fe K Mg Mn Na P Zn S
CTL-PDSOP	Protein by Combustion
CTL-pHSOP	Determination of pH and Nitrate Concentration in samples using the pH/ISE Meter, only for pH
CTL-WASOP	Determination of Water Activity Using the AquaLab 4TE Analyzer (MFLP-66)
CTL-STRSOP	Determination of Starch by R-Biopharm Starch Kit
CTL-ANCSOP	Determination of Fibers-Acid Detergent Fiber, Neutral Detergent Fiber and Crude Fiber by Ankom
CTL-A2SOP	Determination of Ash in Food/Feed Samples
CTL-AAHFSOP	Determination of Fat content (Acid Hydrolysis) in Food and Feed samples by Ankom
CTL-FSOP	Determination of Fat Content (Fat-EE) in Food and Feed Samples by Ankom
CTL-MASOP	Determination of Moisture Analyzed in Food and Feed Samples
CTL-STRMEGSOP	Determination of Starch by Megazyme Starch Kit
CTL-ICPMWSOP	Minerals By ICP-OES Using Microwave Digestor Ca Cu Fe K Mg Mn Na P Zn Al B Cd Co Mo

	Ni Pb S Ti Se Cr
CTL-ICPMSSOP	Minerals By ICP-MS Al B Ca Co Cu Fe Mg Mn P K Se Na Zn Mo V As Cd Cr Pb Ni Ti Sb Ba
CTL-DMASOP	Automated Determination of Mercury (Hg) By Milestone DMA-80

Feeds (Microbiology)

CTL-MYCSOP	Determination of Mycotoxin in Cereals and Feeds- Aflatoxin, Fumonisin, T-2 Toxin, T2/HT2, Ochratoxin A, Vomitoxin (Deoxynivalenol), Zearalenone
CTL-3MMDSSOP	Detection of pathogens (<i>Salmonella</i> , <i>Escherichia coli</i> O157:H7, <i>Listeria species</i> , <i>Listeria monocytogenes</i>) in Foods and Environmental Samples using 3M Molecular Detection System Test Kit <i>Salmonella</i> AOAC® OMA 2016.01 –in dry pet food (dog)

Foods (Microbiology)

CTL-3MSTASOP	Enumeration of <i>Staphylococcus Aureus</i> in Foods and Environmental Samples using 3M Petrifilm Staph Express Count (STX) Plates (MFLP-21)
CTL-3MTACSOP	Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients using 3M Petrifilm Aerobic Count Plates (MFHPB-33)
CTL-3MYMSOP	Enumeration of Yeast and Mould in Food Products and Food Ingredients using 3M Petrifilm Yeast and Mold Count Plates (MFHPB-32)
CTL-3MECSOP	Enumeration of <i>Escherichia coli</i> and <i>Coliforms</i> in Food Products and Food Ingredients using 3M Petrifilm E.coli Count Plates (MFHPB-34)
CTL-3MMDSSOP	<p>Detection of pathogens (<i>Salmonella</i>, <i>Escherichia coli</i> O157:H7, <i>Listeria species</i>, <i>Listeria monocytogenes</i>) in Foods and Environmental Samples using 3M Molecular Detection System Test Kit</p> <p><i>Salmonella</i> (MFLP-100– in foods, AOAC® OMA 2016.01 – in foods and environmental samples)</p> <p><i>Escherichia coli</i> O157:H7 (AOAC® OMA 2017.01 – in foods)</p> <p><i>Listeria spp.</i> (MFLP-101 –in environmental surfaces, AOAC® OMA 2016.07 – in foods and environmental samples)</p> <p><i>Listeria monocytogenes</i> (AOAC® OMA 2016.08 – in foods and environmental samples)</p>
CTL-3MENTSOP	Enumeration of <i>Enterobacteriaceae</i> species in Foods and Environmental Samples using 3M Petrifilm Enterobacteriaceae Count Plates (MFLP-09)
CTL-CIIPSOP	<p>Confirmatory Steps on Isolation and Identification of pathogens (<i>Salmonella</i>, <i>Escherichia coli</i> O157:H7; <i>Listeria species</i>, <i>Listeria monocytogenes</i>) in Foods and Environmental Samples:</p> <p><i>Escherichia coli</i> O157:H7 (MFHPB-10 Only for Section 6.6.1 and Section 6.6.3 to Section 6.8.5)</p> <p><i>Salmonella</i> (MFHPB-20 Only for Section 6.3 to Section 6.6)</p>

	<i>Listeria</i> species and <i>Listeria monocytogenes</i> (MFHPB-30)
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ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Environmental:

Water (Chemistry)

CTL-ANWSOP	Ammonia Nitrogen in Water by Colorimeter
CTL-ECSOP	Electrical Conductivity in Water by Conductivity Meter
CTL-SCPTSOP	Salt and Chloride by Potentiometric Titration
CTL-APDASOP	Discrete Analysis of Alkalinity, NO ₂ , NO ₃ , Cl ⁻ , NH ₃ , NH ₄ and SO ₄ by Thermo Scientific Gallery Analyzer

Water (Microbiology)

CTL-QTSOP	Determination and Quantification of <i>Total Coliforms</i> , <i>Fecal Coliforms</i> and <i>E.coli</i> in water samples using Enzyme Substrate Test (Colilert QuantiTray /2000) (APHA9223 B & E)
CTL-TCFCWSOP	Determination of Total Coliform and Fecal Coliform in Water Samples Using Membrane Filter technique (APHA 9222 A to D)

Number of Scope Listings: 29

Notes:

ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories

AOAC: Association of Official Agricultural Chemists

CTL: Laboratory Internal Test Methods

ICP/OES: Inductively Coupled Plasma / Optical Emission Spectroscopy

MFHPB: Analytical Methods, Health Products and Food Branch, Health Canada. Analytical methods for the microbiological safety of foods

MFLP: Compendium of Analytical Methods, Health Products and Food Branch, Health Canada. Analytical methods for the microbiological safety of foods.

APHA: American Public Health Association



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.

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Publication on: 2024-02-27