TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory:	**Silliker Canada Co. Ltd.**
Location Name or Operating as (if applicable):	Operating as Mérieux NutriSciences
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SCC File Number:	15024
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)
Initial Accreditation:	1984-10-10
Most Recent Accreditation:	2023-12-20
Accreditation Valid to:	2024-10-10

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.

Canada

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products (Human and Animal Consumption):

(Chemistry, Aflatoxins)

QA-0120-2315	Total Aflatoxins in Foods and Feeds by Aflatest Immunoaffinity Method (VICAM)

(Chemistry, Fat Components)

QA-9901-1863	Cholesterol in Foods - Direct Saponification Modified from: AOAC 994.10
QA-9901-2056	Total Fat and Fatty Acids by Gas Chromatography For: Saturates, Trans, Cis-monounsaturates, Cis, Cis-polyunsaturates, Omega-3 polyunsaturates, Omega-6 polyunsaturates Modified from: AOAC 996.06, 969.33 and 6th edition Ce-1h-05

(Chemistry, Minerals)

QA-9901-1146	Minerals in Foods - Inductively Coupled Plasma Modified from: AOAC 984.27, 985.01

(Chemistry, Proximates)

AS-CC-002	Insoluble, Soluble and Total Dietary Fibre in Foods (CODEX Definition) Modified from: AOAC 2011.25
QA- 0220-4410	Total Dietary Fibre (Modified Procedure with Single Residue) Modified from: AOAC 991.43
QA-0200-4101	Moisture by Vacuum Oven Modified from: AOAC 925.09, 925.40, 926.08, 931.04, 925.30, 927.05, 934.06
QA-0200-4102	Moisture by Forced Air Oven Modified from: AOAC 950.46B, 952.08, 925.23, 941.08
QA-9901-1000	Crude Fibre in Feeds (ANKOM Analyzer) Modified from: AOCS Ba 6a-05
QA-9901-1119	Ash in Foods Modified from: AOAC 920.153, 923.03, 935.42, 945.46
QA-0210-4212	Determination of Fat in Foods by Mojonnier Extraction with Acid Hydrolysis For: Total fat Modified from AOAC 922.06, 925.32, 935.38, 948.15, AACC 30-10
QA-0210-4201	Fat in Food Products by the Soxhlet Procedure Modified from: AOAC 960.39
QA-9901-1190	Insoluble and Soluble Dietary Fibre Modified from: AOAC 991.43
QA-9901-1208	Sugars in Foods by HPLC Modified from: AOAC 982.14, 980.13

QA-0210-4213	Determination of Fat in Dairy Products by Mojonnier Extraction with Base Hydrolysis For: Total fat In: Milk, buttermilk, cream, whey, ice cream mix, evaporated milk, condensed milk, powdered (dry) milk Modified from AOAC 905.02, 989.05
QA-9901-2200	Protein-Combustion Method Modified from: AOAC 992.15, 992.23, 968.06, 990.03

(Chemistry, Vitamins)

QA-9901-1783	Vitamin E (alpha tocopherol) in Foods Modified from: AACC 86-06
QA-9901-1176	Thiamine (Vitamin B1) and Riboflavin (Vitamin B2) in Foods Modified from: AOAC 942.23, 981.15, J. Food Comp. and Analysis Vol. 2 (1) 41(1989)
QA-9901-1419	Niacin and Niacinamide in Foods and Vitamin Preparations Modified from: AOAC 960.46, 944.13, FDA 340, 1996
QA-9901-1771	Total Folate in Foods and Vitamin Preparations Modified from: AOAC 960.46, 944.12, FDA 332, 1996
QA-9901-1784	Pyridoxine (Vitamin B6) in Foods and Vitamin Preparations Modified from: AOAC 960.46, 961.15, FDA 400, 1996
QA-9901-1785	Cobalamin (Vitamin B12) in Foods and Vitamin Preparations Modified from: AOAC 960.46, 952.20, 986.23, FDA 410, 1996
QA-9901-1786	Biotin in Foods Modified from: FDA 310, 1996
QA-9901-1788	Pantothenic Acid in Foods and Vitamin Preparations Modified from: AOAC 960.46, 945.74, 992.07, FDA 361, 1996
QA-9901-1818	Vitamin A (retinol and beta-carotene) in Foods Modified from: AOAC 2001.13, Methods of Vitamin Assays, 4th ed., (1985)
QA-9901-3761	Determination of Vitamin C in Food by HPLC Modified from: Canadian Food Inspection Agency, Longueuil Food Laboratory, LCAQ-001-09

(Chemistry, Miscellaneous)

MFHPB-03	Determination of the pH of foods including foods in hermetically sealed containers
MFLP-66	Determination of Water Activity Using the Aqualab Instrument [QA-9901- 3263]
QA-9901-1135	Chloride (Salt) in Meat and Cheese Modified from: AOAC 935.47, 935.43, 937.09
QA-9901-1217	Benzoate and Sorbate in Foods by HPLC Modified from: JAOAC 1985:68 (488)
QA-9901-1227	Peroxide Value Modified from: AOCS Cd 8b-90
QA-0350-1800	Sulfites in Foods Modified from: AOAC 990.28

QA-9901-3079	Allergens in Foods & Environmentals (Quantifiable Immunoassay Testing-ELISA)		
	Almond	Beta Lactoglobulin	Brazil
	Casein	Cashew	Egg and Egg Protein
	Gliadin	Hazelnut	Macadamia
	Mustard	Peanut	Pecan
	Pistachio	Sesame Seeds Protein	Soy
	Total Milk	Walnut	

(Microbiology, Enumeration)

ISO 21528-2	Microbiology of food and animal feeding stuffs - Horizontal methods for the detection and enumeration of *Enterobacteriaceae* - Part 2: Colony-count technique [QA-0017-0240]
MFHPB-18	Determination of the Aerobic Colony Count in Foods [QA-9901-1001]
MFHPB-19	Enumeration of Coliforms, Faecal Coliforms and of *E. coli* in Foods Using the MPN Method [QA-9901-3187]
MFHPB-21	Enumeration of *Staphylococcus aureus* in Foods [QA-9901-1003]
MFHPB-22	Enumeration of Yeasts and Moulds in Foods [QA-9901-1019]
MFHPB-23	Enumeration of *Clostridium perfringens* in Foods [QA-9901-1039]
MFHPB-31	Determination of Coliforms in Foods Using Violet Red Bile Agar [QA- 9901-1002]
MFHPB-33	Enumeration of Total Aerobic Bacteria in Food Products and Food Ingredients Using 3M™ Petrifilm™ Aerobic Count Plates [QA-9901-3511]
MFHPB-34	Enumeration of *Escherichia coli* and Coliforms in Food Products and Food Ingredients Using 3M Petrifilm™ *E. coli* Count plates [QA-9901-2144]
MFHPB-35	Enumeration of Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ Coliform Count Plates [QA-9901-2326]
MFLP-09	Enumeration of *Enterobacteriaceae* Species in Food and Environmental Samples using 3M™ Petrifilm™ Enterobacteriaceae Count Plates [QA-9901-2325]
MFLP-21	Enumeration of *Staphylococcus aureus* in Foods and Environmental Samples Using 3M™ Petrifilm™ Staph Express Count (STX) Plates [QA-9901-3568]
MFLP-42	Isolation and enumeration of the *Bacillus cereus* Group in Foods [QA-9901-1040]
MFLP-74	Enumeration of *Listeria monocytogenes* in Food [QA-9901-2148]
QA-9901-1009	Enumeration of Coliforms, Faecal Coliforms and of *E. coli* in Foods using the MPN Method MFHPB-19 Modified for 3 Tube
QA-9901-1040	Isolation and enumeration of the *Bacillus cereus* Group in Foods using Method MFLP-42 modified for detection limit < 10 CFU/g

(Microbiology, Examination and Detection)

Assurance GDS MPX Top 7 STEC Assay	Assurance GDS Shiga Toxin Producing *E. coli* Top 7 MPX [QA-0025-0848]
ISO 21528-1	Microbiology of food and animal feeding stuffs – Horizontal method for the detection and enumeration of *Enterobacteriaceae* - Part 1: Detection of *Enterobacteriaceae* [QA-0017-0230]

MFHPB-01	Determination of Commercial Sterility and the Presence of Viable Microorganisms in Canned Foods [QA-9901-1317]
MFHPB-07	The Isolation of *Listeria monocytogenes* and other *Listeria* spp. from Foods and Environmental Samples Using Palcam Broth [QA-9901-3379]
MFHPB-10	Isolation of *Escherichia coli* O157:H7/NM from foods and environmental surface samples [QA-9901-3381]
MFHPB-20	Isolation and Identification of *Salmonella* from Food and Environmental Samples [QA-9901-1007]
MFHPB-24	Detection of *Salmonella* spp. in foods by the VIDAS SLM™ Method [QA-9901-2314]
MFHPB-29	Detection of *Listeria* spp. in Foods and Environmental Samples by the VIDAS Listeria™ Method [QA-9901-3202]
MFHPB-30	Isolation of *Listeria monocytogenes* and other *Listeria* spp. from Foods and Environmental Samples [QA-9901-3005]
MFLP-15	Detection of *Listeria* species from Environmental Surfaces Using the BAX® System Genus Listeria Assay [QA-9901-3681]
MFLP-16	Detection of *Escherichia coli* O157:H7 in Foods-Assurance GDS® for *E. coli* 0157:H7 Tq Gene Detection System [QA-9901-3744]
MFLP-25	Isolation and Identification of *Shigella* spp. from Foods [QA-9901-3687]
MFLP-28	Detection of *Listeria monocytogenes* in a Variety of Foods and Environmental Surfaces Using the BAX® System L. Monocytogenes Assay [QA-9901-3335]
MFLP-29	Detection of *Salmonella* in Foods and Environmental Surface Samples Using the BAX® System Salmonella Assay [QA-9901-3297]
MFLP-30	Detection of *Escherichia coli* O157:H7 in Select Foods Using the BAX® System PCR Assay *E. coli* O157:H7 MP [QA-9901-3336]
MFLP-33	Detection of *Listeria monocytogenes* in Foods by the VIDAS LMO 2™ Method [QA-9901-3251]
MFLP-38	Detection of *Salmonella* spp. from all Foods and Selected Environmental Surfaces Using iQ-Check™ Salmonella Real-Time PCR Test Kit [QA-9901-3766]
MFLP-39	Detection of *Listeria* spp. from Environmental Surfaces and Heat Processed Ready to Eat Meat and Poultry Using iQ-Check™ *Listeria* spp. Real-Time PCR Test Kit [QA - 9901- 3764]
MFLP-46	Isolation of thermophilic *Campylobacter* from Food [QA-9901-1781]
MFLP-49	Detection of *Salmonella* spp. in Food Products and Environmental Surfaces by the VIDAS® UP Salmonella (SPT) Method [QA-9901-3760]
MFLP-54	Detection of *Listeria monocytogenes* from Selected Foods Using iQ-Check™ *Listeria monocytogenes* Real-Time PCR Test Kit [QA-9901-3765]
MFLP-59	Detection of *Listeria* spp. in Food Products and Environmental Surface Samples with VIDAS® UP Listeria (LPT) [QA-9901-3762]

MFLP-65	Detection of Staphylococcal enterotoxins in food products using the VIDAS® Staph Enterotoxin II (SET2), an ELFA (Enzyme Linked Fluorescent Assay) technique [QA-9901-1078]
MFLP-76	Detection of *Escherichia coli* O157:H7 in raw meat trim and raw ground meat using the BAX® System Real-Time *E. coli* 0157:H7 Assay [QA-9901-3749]
MFLP-77	Detection of *Listeria monocytogenes* and other *Listeria* spp. in food products and environmental samples by the VIDAS® Listeria species Xpress (LSX) method [QA-9901-3747]
MFLP-86	Identification of vt1 and vt2 genes from Verotoxigenic Escherichia coli by Polymerase Chain Reaction [QA-9901-3381]
QA-9901-3561 (MLG 4C.07)	FSIS Procedure for the Use of a Polymerase Chain Reaction (PCR) Assay for Screening Salmonella in Meat, Poultry, Egg and Siluriformes (Fish) Products and Carcass and Environmental Sponges USDA FSIS former procedure MLG 4C.07
USDA-FSIS MLG 4	Isolation and Identification of *Salmonella* from Meat, Poultry, Pasteurized Egg and Siluriformes (Fish) Products and Carcass and Environmental Sponges [QA-9901-3262]
USDA-FSIS MLG 5C	Detection, Isolation and Identification of Top Seven Shiga Toxin-Producing *Escherichia coli* (STECs) from Meat Products and Carcass and Environmental Sponges [QA-9901-3768]
QA-9901-3578 (MLG 5A.04)	FSIS Procedure for the Use of *Escherichia coli* 0157:H7 Screening Tests for the Meat Products and Carcass and Environmental Sponges From USDA FSIS former procedure MLG 5A.04 using BAX® platform
QA-0025-0920 (MLG 5B.05)	Detection and Isolation of Non-0157 Shiga Toxin Producing *Escherichia coli* (STEC) from Meat Products and Carcass and Environmental Sponges From USDA FSIS former procedure MLG5B.05 using BAX® platform
QA-9901-3579 (MLG 8A.06)	FSIS Procedure for the Use of a *Listeria monocytogenes* Polymerase Chain Reaction (PCR) Screening Test From USDA FSIS former procedure MLG 8A06

Water

QA-9901-3776	Heterotrophic Plate Count by Membrane Filtration
QA-9901-3777	Simultaneous Detection Of Total Coliform and E.coli by Dual Chromogen Membrane Filter Procedure
QA-9901-3778	Yeast and Mould Plate Count by Membrane Filtration
QA-9901-3779	Membrane Filter Technique for enumeration of Fecal Coliforms

CHEMICALS AND CHEMICAL PRODUCTS

Pharmaceuticals and Cosmetics:

(Antimicrobial Preservatives)

USP <51>	Antimicrobial Effectiveness Testing [QA-9901-1772]

Number of Scope Listings: 86

Notes:

AACC: American Association of Cereal Chemists

AOAC: Association of Official Analytical Chemists - Official Methods of Analysis

AOCS: Official Methods and Recommended Practices of the AOCS

CMMEF: Compendium of Methods for the Microbiological Examination of Foods

FDA: Food and Drug Administration (USA)

FSIS: Food Safety and Inspection Services

ISO: International Organization for Standardization

JAOAC: Journal of the Association of Official Analytical Chemists

MFHPB: Compendium of Analytical Methods, Methods for the Microbiological Analysis of Foods, Health Canada

MFLP: Compendium of Analytical Methods, Laboratory Procedures for Microbiological Analysis of Foods, Health Canada

USFDA (1996): Methods for Microbiological Analysis of Selected Nutrients Published by AOAC

USP: United States Pharmacopeia

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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