



SCOPE OF ACCREDITATION

Dairy Farmers of Manitoba
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Accredited Laboratory No. 125
(Conforms with requirements of ISO/IEC 17025:2017)

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CLIENTS SERVED:	All interested parties
FIELDS OF TESTING:	Biological, Chemical/Physical
PROGRAM SPECIALTY AREA:	Agriculture Inputs, Food, Animal Health and Plant Protection (PSA-AFAP) , Environmental
INITIAL ACCREDITATION:	1993-10-05
MOST RECENT ACCREDITATION:	2020-06-22
ACCREDITATION VALID TO:	2021-10-05

ANIMAL AND PLANTS (AGRICULTURE)

Foods and Edible Products: (Human and Animal Consumption)

Dairy Products

Unprocessed Milk



Chemical Tests

- P009, P010, P011, P012 Milk - Enumeration of somatic cells - Part 2: Guidance on the operation of fluoro-opto electronic counters. Foss System Fossomatic FC:2006. (ISO 13366 / IDF 148-2:2006)
- P009, P010, P011, P012 Whole Milk - Guide for the Operation of Mid-Infrared Instruments Fat, Protein, Lactose, Solids, Milk Urea Nitrogen, Freezing Point, BHB. Foss System Milkoscan FT 6000:2006. (IDF 141C:2000)
- P022 Milk - Determination of Freezing Point – Thermistor cryoscope method. ISO 5764 / IDF 108:2009
- P037 Processing Milk Samples for the Presence of Drug Residue (Charm Test in Milk)
CHARM® MRL Trio; Test for BL, Sulf, Tetra
- P038 Processing of Milk Samples for the Presence of Other or Unknown Drug Residue (DELVOTEST® SP-NT Milk Test). (SMEDP 12.025)
- P068 Analysis of Iodine in Raw Milk Samples Using Inductively Coupled Plasma Mass Spectrometry.
- P094 Ultra High-Performance Liquid Chromatography/Time-of-Flight Mass Spectrometry (uHPLC-TOF/MS) Drug Residue Screening in milk Samples

Microbiological Tests

- P030 Operation and Maintenance of the BactoScan IBC. EN ISO 16140, IDF 161 (ISO/DIS 16297, 2010) and IDF 128-3/ISO 8196-3
- P040 Petrifilm *Coliform* Count (PCC) Plate Method (SMEDP 7.070),
Thermotolerant Bacteria (LPC) (SMEDP 8.030),
Aerobic Bacteria (SMEDP 6.040),
Preliminary Incubation Method for Processed Milk Products (SMEDP 9.020)
- P116 Identification of Selective Bacteria Causing Bovine Mastitis in Raw Milk

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Drinking Waters

- P039 Enzyme Substrate Test Method; Total *Coliform* and *E.coli* by Colilert. (SMofE 9223 B)
- Presence/Absence
Quantitative by Quanti-tray (Colilert 18 and Colilert)

Water

Chemical



P059	pH Meter (HACH 8156)
P078	Trace metals and elemental determinations by Inductively Coupled Plasma-Mass Spectrometry for: (ICP-MS/EPA 200.8) Aluminum Antimony Arsenic Barium Beryllium Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Molybdenum Nickel Potassium Selenium Silver Sodium Strontium Thallium Thorium Tin Titanium Uranium Vanadium Zinc
P091	Chlorine (Free and Total) in Water, DPD method (HACH 10231/10232)
P096	Total Phosphorus, Ascorbic Acid Method (HACH 10209/10210) Total Phosphorous Total Particulate Phosphorous Total Dissolved Phosphorous
P102	Volatile Organic Compounds and Four Trihalomethanes in Water By Gas Chromatography/Mass Spectrometry with Headspace (GC/MS). (Modified EPA 524.2) (Volatile Organic Compounds) (Trihalomethanes)



	1,1,1-Trichloroethane
	1,1,2 Trichloroethane
	1,2,4 Trichlorobenzene
	1,2-Dichloropropane
	1,4-Dichlorobenzene
	Benzene
	Bromodichloromethane
	Bromoform
	Chlorobenzene
	Chlorodibromomethane
	Chloroform
	cis 1,2 Dichloroethene
	Ethylbenzene
	Meta and Para Xylene
	Methylene chloride(dichloroethylene)
	Ortho Xylene
	Styrene
	Tert-Butyl methyl ether (MTBE)
	Tetrachloroethene
	Toluene
	Total Xylene
	Trans-1,2-Dichloroethene(dichloroethylene)
	Trichloroethylene(TCE)
P107	Determination of Sodium Adsorption Ratio (SAR) in Water (by calculation)
P109	Determination of Haloacetic acids Compounds in Water by SPE and Gas Chromatography with Electron Capture Detection (EPA 552.1)
	Bromochloroacetic Acid
	Dibromoacetic Acid
	Dichloroacetic Acid
	Monbromoacetic Acid
	Monochloroacetic Acid
	Trichloroacetic Acid
P050	Conductivity, Electrical Conductivity Meter (HACH 8160)
P051	Sodium, Ion Selective Electrode (HACH 8322)
P052	Chloride, Mercuric Thiocyanate Method (HACH 8113)
P053	Nitrate-Nitrogen, Dimethylphenol Method (HACH 10206)
P054	Nitrite-Nitrogen, Diazotization Method (HACH 10207)
P055	Nitrogen-Ammonia, Salicylate Method (HACH 10205)
P056	Simplified TKN, s-TKN Method (HACH 10242)
P083	Hardness, EDTA Titrimetic Method (HACH 8226)
P084	Sulfate, Turbimetric Method (HACH 8051)
P086	Fluoride, USEPA SPADNS Method) (HACH 10225)



P088	Chloride, Silver Nitrate Buret Titration Method (HACH 8225)
P090	Alkalinity, Buret Titration Method (HACH 8221)
P097	Color, True and Apparent; Platinum-Cobalt Standard Method (HACH 8025)
P098	Acidity, Phenolphthalein Method (HACH 8010)
P099	Turbidity; Nephelometric Method (HACH 2100Q) (SMofE, 2130 B)
P115	Determination of Total Dissolved Solids in Water by Gravimetric Method (SMofE, 2540 C)

Water (Microbiology)

P039	Enzyme Substrate Test Method; Total <i>Coliform</i> and <i>E.coli</i> by Colilert. (SMofE 9223 B) Presence/Absence Quantitative by Quanti-tray (Colilert 18 and Colilert)
P060	Enzyme Substrate Method; SimPlate for Heterotrophic Plate Count (HPC) Unit Dose Method. (SMofE, 9215 E)
P087	Membrane Filter Technique for Members of the Coliform Group: Total <i>Coliform</i> (SMofE 9222 B), Thermo-tolerant (Fecal) <i>Coliform</i> Membrane Filter Procedure (SMofE 9222 D), Membrane Partition Procedures (<i>E. coli.</i>) (SMofE 9222 G) <i>Coliforms</i> , Total and <i>E.coli</i> m-ColiBlue24 (HACH 10029)
P110	Quantification of <i>Pseudomonas aeruginosa</i> in Water by membrane filtration technique (SMofE 9213 E)
P111	Presumptive analysis of Fecal <i>Streptococci</i> in Water by membrane filtration technique (SMofE 9230 C)

Notes:

AOAC: Official Methods of Analysis of the Association of Official Analytical Chemists International, 17th Edition, Revision 2, 2003

ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories Plant Protection Testing Laboratories

MFC: Multiple Food Component

IDF: International Dairy Federation

SMEDP: Standard Methods for the Examination of Dairy Products

SMofE: Standard Methods for the Examination of Water and Wastewater



Standards Council of Canada
Conseil canadien des normes

Elias Rafoul, Vice-President
Accreditation Services

Publication on: 2020-08-11

Number of Scope Listings: 39
SCC 1003-15/160