



## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

Accredited Laboratory No. 645

**Legal Name of Accredited Laboratory:** AGAT LABORATOIRES LTÉE

Contact Name: Peter Corbiere

Address: 9770, route Transcanadienne  
St-Laurent, QC  
H4S 1V9

Telephone: 514 337 1000

Fax: 514 333 3046

Website: [www.agatlabs.com](http://www.agatlabs.com)

Email: [corbiere@agatlabs.com](mailto:corbiere@agatlabs.com)

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|-----------------------------------|---|
| <b>SCC File Number:</b>           | 15806   |
| <b>Accreditation Standard(s):</b> | ISO/IEC 17025:2005  |
| <b>Fields of Testing:</b>         | Biological<br>Chemical/Physical   |
| <b>Program Specialty Area:</b>    | Agriculture Inputs, Food, Animal Health and Plant Protection (AFAP)<br>Environmental Testing (ET) |
| <b>Initial Accreditation:</b>     | 2009-01-12  |
| <b>Most Recent Accreditation:</b> | 2020-08-21  |
| <b>Accreditation Valid to:</b>    | 2021-01-12  |

#### SCC Group Accreditation:

This laboratory is a part of a Group Accreditation with the following facilities in accordance with SCC's policy on Group Accreditation documented in the Accreditation Services Accreditation Program Overview.

- AGAT LABORATOIRES LTÉE, Québec, QC  
Accredited Laboratory No. 808

*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.*



**ANIMAL AND PLANTS (AGRICULTURE)**

**(Chemical Tests)**

|                |   |
|----------------|---|
| FC-102-15001F  | Determination of ash in food products   |
| FC-102-15002F  | Determination of total dietary fiber in food products   |
| FC-102-15003F  | Determination of carbohydrates, caloric value, and energy content in food products  |
| FC-102-15005F  | Determination of moisture and total solids in food products   |
| FC-102-15006F  | Determination of total fat in meat and meat products  |
| FC-102-15007F  | Determination of protein / nitrogen in food products  |
| FC-102-15008F  | Determination of cholesterol in food products   |
| FC-102-15009F  | Determination of total fat content by acid hydrolysis in food products  |
| FC-102-15010F  | Determination of total fat content by Mojonnier method in milk and milk products  |
| FC-102-15011F  | Determination of fatty acid, saturated and unsaturated, in food products  |
| FC-102-15012F  | Determination of metals by inductively coupled plasma optical emission spectroscopy (ICP-OES) in food products. Note : This method is also applicable to MET-101-6107F (see Environmental Section.) |
| FC-102-15014F  | Determination of total fat in chocolate and cocoa products  |
| FC-102-15016F  | Determination of salt in food products  |
| FC-102-15024F  | Determination of vitamin A content by HPLC with DAD detector  |
| FC-102-15026F  | Veratox® quantitative test kit for peanut allergens in food matrices  |
| FC-102-15029F  | Determination of sugars (fructose, glucose, galactose, sucrose, maltose, lactose) in food by HPLC-RID   |
| FC-102-15031F  | Veratox® quantitative test kit for soya allergens in food matrices  |
| FC-102-15032F  | Determination of vitamin E in food by HPLC  |
| FC-102-15033F  | Quantitative determination of gliadine R5/gluten in foods (Vertox® gliadin R5 test kit)   |
| FC-102-15036F  | Determination of vitamin C content with separation of isoascorbic acid by HPLC DAD  |
| FC-102-15038F  | Veratox® quantitative test kits for egg, milk and almonds allergens in food matrices  |
| FC-102-15042F  | Determination of Tetracycline, Oxytetracycline, Doxycycline and Chlortetracycline in animal tissue by HPLC  |
| FC-102-15044F  | Determination of aflatoxins (B1, B2, G1, G2) in food by HPLC-FLD  |
| FC-102-15045F  | Determination of vitamin D3 and D2 in food by LC-MS/MS  |
| FC-102-15046F  | Determination of preservatives in food by HPLC-UV   |
| FC-102-15048F  | Determination of Ochratoxine A in food by HPLC-FLD  |
| HR-151-5407F   | Determination of Dioxins and Furans in food by High Resolution GC/MS  |
| TOX-151-19013F | Screening and quantification of pesticides in food by QuEChERS®   |
| TOX-151-19014F | Determination of Phenylbutazone and its active metabolite, Oxyphenbutazone in horse by LC-MS/MS   |

**(Microbiological Tests)**



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|----------|--|
| MFHPB-10 | Isolation of <i>Escherichia coli</i> O157:H7/NM from foods and environmental surface samples   |
| MFHPB-18 | Determination of the Aerobic Colony Count in Foods   |
| MFHPB-19 | Enumeration of Coliforms, Faecal Coliforms and of <i>E. coli</i> in Foods  |
| MFHPB-20 | Methods for the Isolation and Identification of <i>Salmonella</i> from Foods and Environmental Samples   |
| MFHPB-21 | Enumeration of <i>Staphylococcus aureus</i> in Foods   |
| MFHPB-22 | Enumeration of yeasts and moulds in foods  |
| MFHPB-23 | Enumeration of <i>Clostridium perfringens</i> in Foods   |
| MFHPB-30 | Isolation of <i>Listeria monocytogenes</i> from All Foods and Environmental Samples  |
| MFHPB-31 | Determination of Coliforms in Foods Using Violet Red Bile Agar   |
| MFHPB-32 | Enumeration of Yeast and Mold in Food Products and Food Ingredients Using 3M™ Petrifilm™ Yeast and Mold Count Plates                           |
| MFHPB-34 | Enumeration of <i>E. coli</i> and Coliforms in Food Products and Food Ingredients Using 3M™ Petrifilm™ <i>E. coli</i> Plates                   |
| MFLP-05  | Detection of <i>Listeria spp.</i> from environmental surfaces using the 3M™ Molecular Detection System Test Kit                                |
| MFLP-06  | Detection of <i>Salmonella spp.</i> in Foods using the 3M™ Molecular Detection System Test Kit   |
| MFLP-09  | Enumeration of <i>Enterobacteriaceae</i> Species in Food and Environmental Samples Using 3M™ Petrifilm™ <i>Enterobacteriaceae</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-21  | Enumeration of <i>Staphylococcus Aureus</i> in Foods and Environmental Samples Using 3M™ Petrifilm™ Staph Express Count (STX) Plates           |
| MFLP-25  | Isolation and Identification of <i>Shigella spp.</i> from Foods  |
| 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-42  | Isolation and Enumeration of <i>Bacillus cereus</i> in Foods   |
| MFLP-43  | Determination of <i>Enterobacteriaceae</i>   |
| MFLP-46  | Isolation of Thermophilic <i>Campylobacter</i> from Food   |
| MFLP-49  | Detection of <i>Salmonella spp.</i> in food products and environmental surfaces by the VIDAS® UP Salmonella (SPT) method                       |
| MFLP-58B | Enumeration of <i>Aeromonas hydrophila</i> in Ice and Water by the Hydrophobic Grid-Membrane Filter (HGMF) Technique                           |
| MFLP-59  | Detection of <i>Listeria spp.</i> in food products and environmental surface samples with VIDAS® UP Listeria (LPT)                             |
| MFLP-61  | Enumeration of <i>Pseudomonas aeruginosa</i> in Foods and Food Ingredients by the Hydrophobic Grid-Membrane Filter (HGMF) Method               |
| MFLP-72  | Detection of <i>Listeria monocytogenes</i> in foods using the 3M™ Molecular Detection System Test Kit  |
| MFLP-73  | Detection of <i>Escherichia coli</i> O157 in foods using the 3M™ Molecular Detection System Test Kit   |



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| MFLP-74       | Enumeration of <i>Listeria monocytogenes</i> in Food  |
| MFLP-77       | Detection of <i>Listeria monocytogenes</i> and other <i>Listeria spp.</i> in food products and environmental samples by the VIDAS® <i>Listeria</i> species Xpress (LSX) method  |
| MFLP-101      | Detection of <i>Listeria spp.</i> in Environmental Surface Samples Using the 3MTMolecular Detection System Test Kit Version 2   |
| MIC-102-7076F | Enumeration of lactic acid bacteria by 3M™ Petrifilm  |
| USDA MLG 4    | Isolation and Identification of <i>Salmonella</i> from Meat, Poultry and Egg Products   |
| USDA MLG 41   | Isolation, Identification and Enumeration of <i>Campylobacter jejuni/coli/lari</i> from Poultry Rinse, Sponge and Raw Product Samples   |
| USDA MLG 4C   | FSIS Procedure for the Use of a Polymerase Chain Reaction (PCR) Assay for Screening <i>Salmonella</i> in Raw Meat, Carcass Sponge Samples, Whole Bird Rinses, Ready-to-Eat Meat and Poultry Products and Pasteurized Egg Products |

**ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY**

**Environmental:**

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|--------------|--|
| HR-151-5400F | <p>Determination of Dioxins and Furans in water, soil, tissue, air and leachates by High Resolution GC/MS<br/>(Reference methods : Environment Canada EPS1/RM/19, US EPA 1613, CEAEQ MA 400-D. F. 1.0, US EPA 23, US EPA TO-9A)</p> <p>2,3,7,8-TCDD<br/>1,2,3,7,8-PeCDD<br/>1,2,3,4,7,8-HxCDD<br/>1,2,3,6,7,8-HxCDD<br/>1,2,3,7,8,9-HxCDD<br/>1,2,3,4,6,7,8-HpCDD<br/>OCDD<br/>2,3,7,8-TCDF<br/>1,2,3,7,8-PeCDF<br/>2,3,4,7,8-PeCDF<br/>1,2,3,4,7,8-HxCDF<br/>1,2,3,6,7,8-HxCDF<br/>1,2,3,7,8,9-HxCDF<br/>2,3,4,6,7,8-HxCDF<br/>1,2,3,4,6,7,8-HpCDF<br/>1,2,3,4,7,8,9-HpCDF<br/>OCDF<br/>Total TCDD<br/>Total PeCDD<br/>Total HxCDD<br/>Total HpCDD<br/>Total PCDD</p> |
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|                |  |
|----------------|--|
|                | Total TCDF<br>Total PeCDF<br>Total HxCDF<br>Total HpCDF<br>Total PCDF  |
| HR-151-5401F   | Determination of PCB congeners by High Resolution GC/MS  |
| HR-151-5403F   | Determination of polycyclic aromatic hydrocarbons (PAH) by High Resolution GC/MS   |
| HR-151-5405F   | Determination of polybrominated diphenyl ethers (PBDE) in waters soils and tissues by High Resolution GC/MS  |
| HR-151-5406F   | Determination of organochlorine pesticides (OCP) in water by High Resolution GC/MS<br>Trifluralin<br>Alpha-BHC<br>Hexachlorobenzene<br>Beta-BHC<br>Gamma-BHC (Lindane)<br>Delta-BHC<br>Heptachlor<br>Aldrin<br>cis-Heptachlor epoxide<br>Oxychlorane<br>Trans-chlordane<br>o,p-DDE<br>Endosulfan I<br>cis-chlordane<br>Trans-Nonachlor<br>Dieldrin<br>p,p-DDE<br>o,p-DDD<br>Endrin<br>Endosulfan II<br>cis-Nonachlor<br>p,p-DDD<br>o,p-DDT<br>Endrin Aldehyde<br>Endosulfan sulfate<br>p,p-DDT<br>Endrin Ketone<br>p,p-Methoxychlor<br>Mirex |
| INOR-101-6000F | Determination of alkalinity, soluble carbonates and bicarbonates in water by PC titrate  |
| INOR-101-6004F | Determination of anions by ion chromatography  |
| INOR-101-6006F | Determination biological oxygen demand (BOD in 5 days)   |
| INOR-101-6016F | Determination of conductivity in water   |
| INOR-101-6021F | Determination of pH of soils and waters by PC titrate  |
| INOR-101-6028F | Gravimetric determination of total suspended solids and volatile suspended solids in water (TSS, VSS)  |



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| INOR-101-6036F | Determination of oxidizable cyanide by Technicon in soil and water samples.  |
| INOR-101-6042F | Determination of chemical oxygen demand (COD)  |
| INOR-101-6044F | Determination of turbidity in water by turbidity metre   |
| INOR-101-6048F | Determination de total Kjeldahl nitrogen and total phosphorous in water and soil samples   |
| INOR-101-6051F | Determination of ammonia nitrogen in waters and soils by discrete analyzer Seal AQ2  |
| INOR-101-6056F | Determination of Carbon and sulfur in soil by infrared spectrophotometer   |
| INOR-101-6061F | Determination of total cyanide in soil and total and free cyanide in water by Astoria.   |
| INOR-101-6062F | Determination of total phenols in waters in lixiviates by Astoria  |
| INOR-101-6068F | Determination of particles in air samples  |
| MET-101-6102F  | Determination of mercury by cold vapour atomic absorption spectroscopy   |
| MET-101-6105F  | Determination of metals in water and soil by ICP-MS  |
| MET-101-6107F  | Determination of metals in water and soil by ICP-OES   |
| ORG-100-5101F  | Determination of volatile organic compounds in soil and water samples by GC/MS (purge & trap / headspace)  |
| ORG-100-5102F  | Determination of polycyclic aromatic hydrocarbons in water and soil by GC/MS   |
| ORG-100-5103F  | Determination of phenols in soil by GC/MS  |
| ORG-100-5106F  | Determination organochlorine pesticides in waters by GC/MS   |
| ORG-100-5107F  | Determination of PCB Congeners in water and soil   |
| ORG-100-5108F  | Determination of PCB Aroclors® in water, soil, sediments and oil samples by GC-ECD   |
| ORG-100-5109F  | Determination of Chlorobenzenes in water and soil samples by mass spectrometry   |
| ORG-100-5112F  | Determination of resin and fatty acids in water by GC/MS   |
| ORG-100-5113F  | Determination of phenols in water by derivation with acetic anhydride and GC/MS analysis   |
| ORG-100-5115F  | Determination of Glyphosate in water by HPLC   |
| ORG-100-5121F  | Determination of organophosphorus pesticides by GC/MS  |
| ORG-100-5123F  | Determination of glycols in water and soil samples by CC/FID   |
| ORG-100-5125F  | Determination of Haloacetic acids in water by GC/MS  |
| ORG-100-5126F  | Determination of aldehydes in water and soil samples by GC/MS  |
| TOX-151-19000F | Determination of perchlorate by UPLC-MS  |
| TOX-151-19002F | Determination of nitroaromatics, nitramines, and nitrate esters by UPLC-MSMS/UV (Reference method US EPA 8330B)<br>TNT<br>HMX<br>RDX<br>1,3,5-TNB<br>1,3-DNB<br>Tetryl<br>NB<br>4-Am-DNT<br>2-Am-DNT |



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|                | <p>2,4-DNT<br/>2,6-DNT<br/>2-NT<br/>3-NT<br/>4-NT<br/>TNG<br/>PETN<br/>3,5-DNA</p>  |
| TOX-151-19003F | <p>Determination of nonylphenols and nonylphenols polyethoxylates by UPLC-MS/MS (Reference method: ASTM D7485, ASTM D7742)</p> <p>p-n-Nonylphenol<br/>Nonylphenol technical grade<br/>Bisphenol A (BPA)<br/>Nonylphenol monoethoxylate (NP<sub>1</sub>EO)<br/>Nonylphenol diethoxylate (NP<sub>2</sub>EO )<br/>Nonylphenol triethoxylate (NP<sub>3</sub>EO )<br/>Nonylphenol tetraethoxylate (NP<sub>4</sub>EO)<br/>Nonylphenol pentaethoxylate (NP<sub>5</sub>EO)<br/>Nonylphenol hexaethoxylate (NP<sub>6</sub>EO)<br/>Nonylphenol heptaethoxylate (NP<sub>7</sub>EO)<br/>Nonylphenol octaethoxylate (NP<sub>8</sub>EO)<br/>Nonylphenol nonaethoxylate (NP<sub>9</sub>EO)<br/>Nonylphenol decaethoxylate (NP<sub>10</sub>EO)<br/>Nonylphenol undecaethoxylate (NP<sub>11</sub>EO)<br/>Nonylphenol dodecaethoxylate (NP<sub>12</sub>EO)<br/>Nonylphenol tridecaethoxylate (NP<sub>13</sub>EO)<br/>Nonylphenol tetradecaethoxylate (NP<sub>14</sub>EO)<br/>Nonylphenol pentadecaethoxylate (NP<sub>15</sub>EO)<br/>Nonylphenol hexadecaethoxylate (NP<sub>16</sub>EO)<br/>Nonylphenol heptadecaethoxylate (NP<sub>17</sub>EO)</p> |
| TOX-151-19005F | <p>Determination of polycyclic aromatic hydrocarbons (PAH) in air by GC/MS</p>  |
| TOX-151-19009F | <p>Determination of hydrazine in waters by UPLC-UV-MS</p>   |
| TOX-151-19012F | <p>Determination of perfluorinated alkyl substances (PFAS) by SPE LC-MS/MS in water, soil and tissue (Reference methods: EPA 537, ISO 25101)</p> <p>Perfluorobutanoic acid (PFBA)<br/>Perfluoropentanoic acid (PFPeA)<br/>Perfluorohexanoic acid (PFHxA)<br/>Perfluoroheptanoic acid (PFHpA)<br/>Perfluorooctanoic acid (PFOA)<br/>Perfluorononanoic acid (PFNA)<br/>Perfluorodecanoic acid (PFDA)<br/>Perfluoroundecanoic acid (PFUnDA)<br/>Perfluorododecanoic acid (PFDoA)<br/>Perfluorotridecanoic acid (PFTrDA)<br/>Perfluorotetradecanoic acid (PFTeDA)<br/>Perfluorobutane sulfonic acid (PFBS)</p>  |



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|  | Perfluorohexane sulfonic acid (PFHxS)<br>Perfluoroheptane sulfonic acid (PFHpS)<br>Perfluorooctane sulfonic acid (PFOS)<br>Perfluorodecane sulfonic acid (PFDS)<br>Perfluorooctane sulfonamide (PFOSA)<br>N-Methylperfluorosulfamidoacetic acid (N-MeFOSAA)<br>N-Ethylperfluorosulfamidoacetic acid (N-EtFOSAA)<br>2H-Perfluorooctanoic Acid (6:2-FTUCA)<br>2H-Perfluorodecanoic Acid (8:2-FTUCA)<br>2H-Perfluorododecanoic Acid (10:2-FTUCA)<br>4:2 Fluorotelomersulfonate (4:2-FTS)<br>6:2 Fluorotelomersulfonate (6:2-FTS)<br>8:2 Fluorotelomersulfonate (8:2-FTS)<br>10:2 Fluorotelomersulfonate (10:2-FTS)<br>N-Methylperfluorooctanesulfonamide (N-MeFOSA)<br>N-Ethylperfluorooctanesulfonamide (N-EtFOSA)<br>Sodium Dodecafluoro-3H-4,8-dioxananoate (aDONA)<br>Tetrafluoro-2-(heptafluoropropoxy)propanoic acid (HFPO-DA)<br>9-Chlorohexadecafluoro-3-oxanonane-1-sulfonate (PF3ONS)<br>11-Chloroeicosafluoro-3-oxaundeca-1-sulfonate (PF3OUdS) |
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**Water (Toxicology)**

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| ECO-152-20000F | Acute toxicity test on rainbow trout ( <i>Oncorhynchus mykiss</i> ) EPS 1/RM/9 (variety of test materials), EPS1/RM/13 (effluents) & EPS1/RM/50 (pH stabilization) |
| ECO-152-20004F | Determination of acute lethality <i>Daphnia magna</i> EPS 1/RM/11, EPS 1/RM/14 and MA. 500 - D.Mag   |
| ECO-152-20017F | Acute toxicity test on fathead minnow ( <i>Pimephales Promelas</i> ) based on EPA-821-R-02-012   |
| ECO-152-20019F | Determination of growth inhibition using fresh water algae ( <i>Pseudokirchneriella subcapitata</i> ) based on EPS 1/RM/25   |
| ECO-152-20021F | Determination of growth inhibition in algae ( <i>Pseudokirchneriella subcapitata</i> ) based on MA. 500-P.sub 1.0  |
| ECO-152-20022F | Test of Larval Growth and Survival (chronic test) Using Fathead Minnows ( <i>Pimephales promelas</i> ) based on EPS 1 / RM / 22                                    |
| ECO-152-20023F | Determination of toxicity using luminescent bacteria (Microtox) based on EPS 1 /RM / 24  |
| ECO-152-20027F | Test of Reproduction and Survival Using the Cladoceran <i>Ceriodaphnia dubia</i> EPS 1/RM/21   |
| ECO-152-20029F | Test for Measuring the Inhibition of Growth using the Freshwater Macrophyte, <i>Lemna minor</i> EPS 1 /RM/37   |

Number of Scope Listings: 117

**Notes:**





**ISO/IEC 17025:2005:** General Requirements for the Competence of Testing and Calibration Laboratories

**DOCUMENT / ACRONYM** (referred above): Definition.

**ASTM:** American Society for Testing and Materials

**US-EPA:** United States Environmental Protection Agency

**USDA:** United States Department of Agriculture

**MFHPB:** Method Food Health Protection Branch-HPB Methods for the Microbiological Analysis of Foods, Health Canada

**MFLP:** Microbiology Food Laboratory Procedure-Laboratory Procedures for the Microbiological Analysis of Foods, Health Canada

**MLG:** United States Department of Agriculture Food Safety And Inspection Service, Office of Public Health Science

**FC:** Internal Laboratory Method (Food Chemistry)

**HR:** Internal Laboratory Method (Environmental)

**INOR:** Internal Laboratory Method (Inorganic)

**ORG:** Internal Laboratory Method (Organic)

**MET:** Internal Laboratory Method (Metals)

**TOX:** Internal Laboratory Method (Toxicology)

**ECO:** Internal Laboratory Method (Ecotoxicology)

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](http://www.scc.ca).

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Elias Rafoul  
Vice President, Accreditation Services  
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