

## TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

### Scope of Accreditation

**Legal Name of Accredited Laboratory:** Institut national de santé publique du Québec, Centre de toxicologie du Québec

Location Name or Operating as (if applicable): Laboratoire de toxicologie

Contact Name: Mario Marchand

Address: 945, ave Wolfe 4e étage, Québec (QC) G1V 5B3

Telephone: 418-650-5115

Fax: 418-654-2148

Website: [www.inspq.qc.ca/ctq](http://www.inspq.qc.ca/ctq)

Email: [qualite.ctq@inspq.qc.ca](mailto:qualite.ctq@inspq.qc.ca)

<b>SCC File Number:</b>	15524
<b>Provider:</b>	BNQ-EL
<b>Provider File Number:</b>	26953-1
<b>Accreditation Standard(s):</b>	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
<b>Fields of Testing:</b>	Chemical/Physical
<b>Initial Accreditation:</b>	2001-10-26
<b>Most Recent Accreditation:</b>	2024-08-13
<b>Accreditation Valid to:</b>	2025-10-26

*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.*

## MEDICAL

### Toxicology

#### Elements and Trace Metals

M186	Analytical method for the determination of fluorine in urine by combined electrode
M-592	Analytical method for the determination of metals and other elements in blood by inductively coupled plasma mass spectrometry (ICP-MS), NexION 300S
M-593	Analytical method for the determination of metals and other elements in urine by inductively coupled plasma mass spectrometry (ICP-MS), NexION 300S
M-611	Analytical method for the determination of boron in urine by inductively coupled plasma-tandem mass spectrometry (ICP-MS-MS), Agilent 8800
M-612	Analytical method for the determination of arsenic species in urine by high performance liquid chromatography (HPLC) Waters Acquity coupled to inductively coupled plasma mass spectrometry (ICP-MS) NexION 350S (HPLC-ICP-MS)
M-619	Analytical method for the determination of copper and iron in liver biopsies using inductively coupled plasma tandem mass spectrometry (ICP-MS-MS)
M-628	Analytical method for the determination of essential elements in serum by inductively coupled plasma mass spectrometry NexION 350D (ICP-MS)

#### Organic Contaminants

E-430	Analytical method for the determination of cyanide in blood by GC-MS
E-458	Analytical method for the determination of polychlorinated biphenyl, polybrominated and toxaphene congeners and organochlorinated pesticides in plasma by GC-MS
E-477	Analytical method for the determination of benzene and toluene metabolites in urine by UPLC-MS/MS
E-491	Analytical method for the determination of pyrethroid metabolites in urine by GC-MS
E-505	Analytical method for the determination of BPA and its analogue compounds and Triclosan in urine by UPLC-MS/MS
E-522	Analytical method for the determination of neonicotinoids and their metabolites in urine by UPLC-MS/MS
E-509	Analytical method for the determination of glyphosate, glufosinate and their metabolites in urine by UPLC-MS/MS
E-530	Analytical method for the determination of perfluorinated compounds (PFCs) in serum/plasma by UPLC-MS/MS

#### Pharmaceuticals and drugs of abuse

C-247	Analytical method for drug screening in biological specimen by GC-MS
-------	--

C-414	Analytical method for the determination of total opiates in urine by GC-MS
C-558	Analytical method for the determination of alcohols and acetone in biological fluid by GC-MS coupled to Headspace
C-571	Analytical method for the determination of drugs of abuse in urine by HPLC-MS-MS
C-594	Analytical method for the screening of xenobiotics and their metabolites in urine, whole blood, serum and fluids by UPLC-MS-MS
C-601	Analytical method for the determination of creatinine in urine with automated analyzer Indiko Plus
C-611	Analytical method for the determination of cotinine in smokers serum by UPLC-MS-MS- Automated method
C-612	Analytical method for the determination of nicotine and its free metabolites in urine by UPLC-MS-MS - Automated method

Number of Scope Listings: 23

**Notes:**

**C-XXX, E-XXX, M-XXX:** Internal methods

**GC - MS:** Gas Chromatography - Mass Spectrometry

**HPLC-MS/MS:** High Performance Liquid Chromatography tandem Mass Spectrometry

**ICP-MS:** Inductively Coupled Plasma - Mass Spectrometry

**ICP-MS/MS:** Inductively Coupled Plasma- tandem Mass Spectrometry (Spectrométrie de masse en tandem avec plasma à couplage induit)

**UPLC-MS/MS:** Ultra High Performance Liquid Chromatography tandem Mass Spectrometry

**HPLC-ICP-MS:** High Performance Liquid Chromatography - Inductively coupled phases - Mass spectrometry

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).

---

Elias Rafoul  
 Vice-President, Accreditation Services  
 Publication on: 2024-08-15