



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY CANADA INC.
 2712-37 Ave NE Calgary
 Alberta, Canada T1Y 5L3
 Ha Du Phone: 403-491-2022
 Email: Masil.khan@element.com

BIOLOGICAL

Valid To: January 31, 2022

Certificate Number: 6206.05

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following biological tests identified on foods and edible products:

Food Qualitative

<u>Test/Technology</u>	<u>Test Method(s)</u>	<u>Reference Method(s)</u>
Detection of <i>Escherichia coli</i> O157:H7 in Select Foods using the BAX System <i>E. coli</i> O157:H7 MP	TM MICR 133-50	MFLP-30
Detection of <i>Listeria</i> species from Environmental Surfaces using the Dupont Qualicon BAX® System Method and Direct Plating	TM MICR 140-50	MFLP-15
Detection of <i>Salmonella</i> in Foods and Environmental Surface Samples Using the BAX® System <i>Salmonella</i> Assay	TM MICR 134-50	MFLP-29
Enumeration of <i>Clostridium perfringens</i> in Foods	TM MICR 114-50	MFHPB-23
Enumeration of Coliforms, Fecal Coliforms, and <i>E. coli</i> in Foods using the MPN Method	TM MICR 070-50	MFHPB-09
Enumeration of <i>E. coli</i> and Coliforms in Food Products and Food Ingredients using 3M™ Pertifilm <i>E.coli</i> Count Plates	TM MICR 084-50	MFHPB-34
Enumeration of Enterobacteriaceae Species in Food and Environmental Samples using 3M™ Petrifilm Enterobacteriaceae Count Plates	TM MICR 103-50	MFLP-09
Enumeration of <i>Listeria monocytogenes</i> in Food	TM MICR 090-50	MFLP-74
Enumeration of <i>Staphylococcus aureus</i> in Foods	TM MICR 091-50	MFHPB-21
Enumeration of Yeasts and Molds - Pour Plate and Spread Plate Method	TM MICR 076-50	TM MICRO 076-50
Heterotrophic Plate Count (Aerobic Plate Count) and Anaerobic Plate Count - Pour Plate Method	TM MICR 086-50	MFHPB-18 (mod)
Isolation of <i>E. coli</i> O157:H7/NM from Foods and Environmental Surface Samples	TM MICR 073-50	MFHPB-10
Isolation of <i>L. monocytogenes</i> and other <i>Listeria</i> spp. from Foods and Environmental Samples	TM MICR 089-50	MFHPB-30
Isolation and Identification of <i>Campylobacter jejuni/coli/lari</i> from Poultry Rinse, Sponge and Raw Product Samples	TM MICR 204-50	USDA MLG-41

<u>Test/Technology</u>	<u>Test Method(s)</u>	<u>Reference Method(s)</u>
Isolation and Identification of <i>Salmonella</i> from Foods and Environmental Samples	TM MICR 124-50	MFHPB-20
Isolation and Identification of <i>Salmonella</i> from Meat, Poultry, Pasteurized Egg, and Siluriformes (Fish) Products, and Carcass and Environmental Sponges	TM MICR 124-50	USDA MLG-4
Qualicon BAX® System Method for the Detection of <i>Listeria monocytogenes</i> in a Variety of Food	TM MICR 135-50	MFLP-28

USP Nutritional and Dietary Supplements

<u>Test/Technology</u>	<u>Test Method(s)</u>	<u>Reference Method(s)</u>
Enumeration of Yeasts and Molds - Pour Plate and Spread Plate Method	TM MICR 076-50	USP 2021 (mod)
Heterotrophic Plate Count (Aerobic Plate Count) and Anaerobic Plate Count - Pour Plate Method	TM MICR 086-50	USP 2021 (mod)
Test for Absence of <i>E. coli</i> by USP Methodology	TM MICR 137-50	USP 2022 (mod)
Test for Absence of <i>S. aureus</i> by USP Methodology	TM MICR 139-50	USP 2022 (mod)
Test for Absence of <i>Salmonella</i> Species by USP Methodology	TM MICR 136-50	USP 2022 (mod)
Test for <i>P. aeruginosa</i> by USP Methodology	TM MICR 138-50	USP 61 (mod)

Water

<u>Test/Technology</u>	<u>Test Method(s)</u>	<u>Reference Method(s)</u>
Enumeration of Coliforms, Fecal Coliforms and <i>E. coli</i> using the MPN Method <i>Escherichia coli</i> (<i>E. coli</i>) Fecal Coliforms Total Coliforms	TM MICR 070-50	SMEWW 9221 B, E, F (modified)
Enzyme Substrate Coliform Test <i>E. coli</i> Fecal Coliforms Total Coliforms	TM MICR 068-50	SMEWW 9223 B
Heterotrophic Plate Count (Aerobic Plate Count) and Anaerobic Plate Count - Pour Plate Method	TM MICR 086-50	SMEWW 9215 B
Iron Related Bacteria - BART Method	TM MICR 095-50	SMEWW 9240 D
Membrane Filtration Technique for Members of the Coliform Group <i>E. coli</i> Fecal Coliforms Total Coliforms	TM MICR 092-50	SMEWW 9222 B, D, I
<i>Pseudomonas aeruginosa</i> - Membrane Filtration Method	TM MICR 100-50	SMEWW 9213 E
Sulphate Reducing Bacteria Test - BART Method	TM MICR 095-50	SMEWW 9240 D

Soil

Test/Technology	Test Method(s)	Reference Method(s)
Enumeration of Coliforms, Fecal Coliforms and <i>E. coli</i> using the MPN Method <i>Escherichia coli</i> (<i>E. coli</i>) Fecal Coliforms Total Coliforms	TM MICR 070-50	SMEWW 9221 B,E,F (mod)

Key: **MFHPB:** Microbiology Food Health Protection Branch

MFLP: Microbiology Food Laboratory Procedure

SMEWW: American Public Health Association – Standard Methods for the Examination of Water and Wastewater

USDA MLG: United States Department of Agriculture Microbiology Laboratory Guidebook

USP: United States Pharmacopeia





Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY CANADA INC.

Calgary, Alberta, CANADA

for technical competence in the field of

Biological Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to *joint ISO-ILAC-IAF Communiqué dated April 2017*).



Presented this 18th day of January 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6206.05
Valid to January 31, 2022

For the tests to which this accreditation applies, please refer to the laboratory's Biological Scope of Accreditation.