



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY CANADA INC.  
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BIOLOGICAL

Valid To: January 31, 2024

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, food products, beverages, feeds, environmental samples, dietary supplements, pet foods, water, and soil/compost:

**Food Quantitative**

<b><u>Test/Technology</u></b>	<b><u>Test Method(s)</u></b>	<b><u>Reference Method</u></b>
Aerobic Plate Count - Pour Plate and Spread Plate	TM MICR 086-50	MFHPB-18 (modified)
<i>Clostridium perfringens</i> - Pour Plate and Spread Plate	TM MICR 114-50	MFHPB-23
Coliforms, Fecal Coliforms, and <i>E. coli</i> - MPN	TM MICR 070-50	MFHPB-19 (modified)
<i>E. coli</i> and Coliforms - Petrifilm	TM MICR 084-50	MFHPB-34
Enterobacteriaceae - Petrifilm	TM MICR 103-50	MFLP-09
<i>Listeria monocytogenes</i> - Spread Plate	TM MICR 090-50	MFLP-74
<i>Staphylococcus aureus</i> – Spread Plate	TM MICR 091-50	MFHPB-21
Yeasts and Molds - Pour Plate and Spread Plate	TM MICR 076-50	MFHPB-22 (modified)

**Food Qualitative**

<b><u>Test/Technology</u></b>	<b><u>Test Method(s)</u></b>	<b><u>Reference Method (s)</u></b>
<i>Campylobacter jejuni/coli/lari</i> - Cultural Confirmation	TM MICR 204-50	USDA MLG-41
<i>Escherichia coli</i> O157:H7 - BAX®	TM MICR 133-50	MFLP-30
<i>E. coli</i> O157:H7/NM - Cultural Confirmation	TM MICR 073-50	MFHPB-10
<i>L. monocytogenes</i> and other <i>Listeria</i> spp. - Cultural Confirmation	TM MICR 089-50	MFHPB-30
<i>Listeria</i> - BAX®	TM MICR 140-50	MFLP-15
<i>Listeria monocytogenes</i> - BAX®	TM MICR 135-50	MFLP-28
<i>Salmonella</i> - BAX®	TM MICR 134-50	MFLP-29
<i>Salmonella</i> - Cultural Confirmation	TM MICR 124-50	USDA MLG-4 MFHPB-20

## USP Nutritional and Dietary Supplements

<u>Test/Technology</u>	<u>Test Method(s)</u>	<u>Reference Method</u>
Aerobic Plate Count - Pour Plate and Spread Plate	TM MICR 086-50	USP 2021 (modified)
<i>E. coli</i> - Enrichment and Plating	TM MICR 137-50	USP 2022 (modified)
<i>S. aureus</i> - Enrichment and Plating	TM MICR 139-50	USP 2022 (modified)
<i>Salmonella</i> - Enrichment and Plating	TM MICR 136-50	USP 2022 (modified)
<i>P. aeruginosa</i> - Enrichment and Plating	TM MICR 138-50	USP 61 (modified)
Yeasts and Molds - Pour Plate and Spread Plate	TM MICR 076-50	USP 2021 (modified)

## Water

<u>Test/Technology</u>	<u>Test Method(s)</u>	<u>Reference Method(s)</u>
Aerobic (Anaerobic) Plate Count	TM MICR 086-50	SMEWW 9215 B (modified)
Coliforms, Fecal Coliforms and <i>E. coli</i> - Enzyme Substrate	TM MICR 068-50	SMEWW 9223 B
Coliforms, Fecal Coliforms and <i>E. coli</i> - Membrane Filtration	TM MICR 092-50	SMEWW 9222 B, D, I
Coliforms, Fecal Coliforms and <i>E. coli</i> - MPN	TM MICR 070-50	SMEWW 9221 B, E, F (modified)
Iron Related Bacteria - BART Method	TM MICR 095-50	IRB-BART - Droycon Bioconcepts Inc.
<i>Pseudomonas aeruginosa</i> - Membrane Filtration	TM MICR 100-50	SMEWW 9213 E
Sulphate Reducing Bacteria Test - BART Method	TM MICR 203-50	SRB-BART - Droycon Bioconcepts Inc.

## Soil

<u>Test/Technology</u>	<u>Test Method(s)</u>	<u>Reference Method(s)</u>
Coliforms, Fecal Coliforms and <i>E. coli</i> - MPN	TM MICR 070-50	SMEWW 9221 B, E, F (modified)

## Key:

MFHPB	Health Canada Microbiology Food Health Protection Branch
MFLP	Health Canada 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.**

*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 7<sup>th</sup> day of December 2021.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 6206.05  
Valid to January 31, 2024

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