



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL ANALYTICAL, INC.
3029 S Jefferson Ave
Saint Louis, MO 63118
Bulbul Jain Phone: 314-577-0150

BIOLOGICAL

Valid To: April 30, 2020

Certificate Number: 2845.10

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the A2LA Food Testing Program Requirements, containing the 2015 "AOAC International Accreditation Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Foods Dietary Supplements and Pharmaceuticals"), accreditation is granted to this laboratory to perform the following tests on food products, feeds, food additives, beverages, and environmental samples:

<u>Test</u>	<u>Test Method</u>	<u>SOP</u>
Aerobic Plate Count – Petrifilm	AOAC 990.12	F102
Aerobic Plate Count – Pour Plate	FDA/BAM Ch.3	F102.1
<i>Bacillus cereus</i>	FDA/BAM Ch. 14	F121
<i>B. cereus</i> - Confirmation	FDA/BAM Ch. 14	F121
Enterobacteriaceae – Petrifilm	AOAC 2003.01	F111
<i>E. coli</i> O157 – Confirmation	FDA BAM Ch. 4A: R, Q a-b	F108
<i>E. coli</i> O157 - EFLA	AOAC – RI Cert# 060903	F108
Lactic Acid Bacteria – Petrifilm	CMMEF 5 th Ed. Ch 19	F123
<i>Listeria</i> – Confirmation with Speciation	FDA BAM Ch. 10 (Modified)	F107.A
<i>Listeria</i> – ELFA	AOAC 2013.10	F107.A
<i>Salmonella</i> – Confirmation	FDA BAM Ch. 5 (Modified)	F106
<i>Salmonella</i> – ELFA	AOAC: 2011.03 AOAC 2013.01	F106.A
<i>Staphylococcus aureus</i> – Baird Parker	FDA/BAM Ch. 12	F105.1

<u>Test</u>	<u>Test Method</u>	<u>SOP</u>
<i>Staphylococcus aureus</i> – Petrifilm	AOAC: 2003.07, 2003.08, 2003.11	F105
Total Coliform/ <i>E. coli</i> – MPN	FDA/BAM Ch. 4	F104.A
Total Coliform/ <i>E. coli</i> – Petrifilm	AOAC: 991.14, 998.08	F104
Total Coliform/ <i>E. coli</i> – VRBA	FDA/BAM Ch. 4	F104.1
Yeast and Mold - Osmophilic	CMMEF 5 th Ed. Ch. 17	F178
Yeast and Mold – Petrifilm	AOAC: 997.02	F103
Yeast and Mold – Pour Plate	FDA/BAM Online Ch. 18	F103.2
Yeast and Mold – Rapid Petrifilm	AOAC: 2014.05	F103

ENVIRONMENTAL

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory’s compliance with the 2009 TNI Standard), accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

ENVIRONMENTAL MICROBIOLOGY	
Test	Test Method(s)
Fungal – Direct Examination (Bulk)	EMSL M041 – Standard Operating Procedure for the Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Material from Surface Samples
Fungal – Direct Examination (Surface)	EMSL M041 – Standard Operating Procedure for the Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Material from Surface Samples
AIR MATRIX	
Test	Test Method(s)
Fungal – Direct Examination (Air)	EMSL 05-TP-003.5 – Standard Operating Procedure for the Analysis of Airborne Fungal Spores, Hyphal Fragments, Pollen, Insect Fragments, Skin Fragments and Fibrous Particulate by Optical Microscopy of Spore Trap Samples





Accredited Laboratory

A2LA has accredited

EMSL ANALYTICAL, INC.

Saint Louis, MO

for technical competence in the field of

Biological Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of A2LA R204 - *Specific Requirements - Food and Pharmaceutical Testing Laboratory Accreditation Program*. 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 29th day of May 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2845.10
Valid to April 30, 2020

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