



Accredited Laboratory

A2LA has accredited

MICROBAC LABORATORIES, INC.

Warrendale, PA

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 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 11th day of January 2019.

A blue ink signature of the Senior Director of Accreditation Services.

Senior Director, Accreditation Services
For the Accreditation Council
Certificate Number 2413.01
Valid to December 31, 2020

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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BIOLOGICAL

Valid To: December 31, 2020

Certificate Number: 2413.01

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 Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food, Dietary Supplements and Pharmaceuticals"), accreditation is granted to this laboratory to perform the following tests on food, water, wastewater, and pharmaceutical ingredients:

| <u>Test(s)</u> | <u>Test Method(s)</u> |
|--|--|
| Quantitative Test(s) | |
| Coliforms/ <i>Escherichia coli</i> | CMMEF 5 th Ch. 9; FDA BAM Ch. 4 |
| Microbial Enumeration Tests- Nutritional and Dietary Supplements: Total Aerobic Microbial Count, Enterobacterial Count (Bile-Tolerant Gram-Negative Bacteria), Total Combined Molds and Yeasts Count | USP <2021> |
| Yeast and Mold – Simplate Color Indicator Method | AOAC 2002.11 |
| 3M Petrifilm™ | |
| Coliform/ <i>E. coli</i> | CMMEF 5 th Ch. 9; AOAC 991.14, 998.08, 996.02 (Coliform - High Sensitivity) |
| Enterobacteriaceae | CMMEF 5 th Ch. 9; AOAC 2003.01 |
| Plate Counts (aerobic) | CMMEF 5 th Ch. 8; AOAC 990.12 |
| <i>Staphylococcus aureus</i> | AOAC 2003.07 |
| Yeast and Mold | AOAC 2014.05 |
| Pour Plate | |
| <i>Clostridium perfringens</i> | CMMEF 5 th Ch. 33; FDA BAM Ch. 16 |
| Coliform/ <i>Escherichia coli</i> | CMMEF 5 th Ch. 9; FDA BAM Ch. 4 |
| Lactic Acid Bacteria/ <i>Lactobacillus</i> | CMMEF 5 th Ch. 19 |

| <u>Test(s)</u> | <u>Test Method(s)</u> |
|--|--|
| <u>Quantitative Test(s)</u> | |
| Mesophilic Aerobic Spores | CMMEF 5 th Ch. 23 |
| Plate Counts (Aerobic) | CMMEF 5 th Ch. 8; FDA BAM Ch. 3 |
| Spread Plate | |
| <i>Bacillus cereus</i> | CMMEF 5 th Ch. 31; FDA BAM Ch. 14 |
| <i>Staphylococcus aureus</i> | CMMEF 5 th Ch. 39; FDA BAM Ch. 12 |
| Yeast and Mold | CMMEF 5 th Ch. 21; FDA BAM Ch. 18 |
| <u>Qualitative Test(s)</u> | |
| <i>Clostridium</i> spp. | CMMEF 5 th Ch. 32 (Modified), Ch. 33 (Modified) |
| Microbiological Examination of Non-Sterile Products: <i>Pseudomonas aeruginosa</i> , <i>E. coli</i> , <i>Candida albicans</i> , and <i>S. aureus</i> | USP <62> |
| Microbiological Procedures for Absence of Specified Microorganisms- Nutritional and Dietary Supplements: <i>E. coli</i> , <i>Salmonella</i> , and <i>S. aureus</i> | USP <2022> |
| 3M MDA2™ | |
| <i>E. coli</i> O157:H7 | AOAC 2017.01 |
| <i>Listeria monocytogenes</i> | AOAC 2016.08 |
| <i>Listeria</i> spp. | AOAC 2016.07 |
| <i>Salmonella</i> | AOAC 2016.01 |
| Confirmations | |
| <i>Listeria</i> | FDA BAM Ch. 10; API <i>Listeria</i> ™ |
| <i>Salmonella</i> | FDA BAM Ch. 5; API 20E™ |
| VIDAS™ | |
| <i>Listeria monocytogenes</i> | AOAC 2013.11 |
| <i>Listeria</i> spp. | AOAC 2013.10 |
| <i>Salmonella</i> | AOAC 2013.01 |