



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

IEH Laboratories and Consulting Group

3458 E. 33rd Place

Yuma, AZ 85365

Fulfills the requirements of

ISO/IEC 17025:2017

and

**AOAC International – Guidelines for Laboratories Performing
Microbiological and Chemical Analyses of Food, Dietary Supplements,
and Pharmaceuticals – Revision August 2018**

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to be 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 20 February 2027

Certificate Number: AT-1502



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
AOAC INTERNATIONAL – GUIDELINES FOR LABORATORIES
PERFORMING MICROBIOLOGICAL AND CHEMICAL ANALYSIS OF
FOOD, DIETARY SUPPLEMENTS, AND PHARMACEUTICALS –
REVISION AUGUST 2018

IEH Laboratories and Consulting Group

3458 E. 33rd Place
 Yuma, AZ 85365

Dr. Ramon Aboytes 928-726-9850
aboytesr@iehinc.com www.iehinc.com

TESTING

Valid to: **February 20, 2027**

Certificate Number: **AT-1502**

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>E. coli</i> O157, EHEC/STEC, <i>Salmonella</i>	MB217.01 AOAC-RI PTM 100701 (25 - 375 g)	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey (not for STEC), mixed leafy greens, nuts, green onions, fruits, swabs, water	PCR System
<i>Salmonella</i> sp.	MB217.01 AOAC-RI PTM 100701 (25 - 375 g)	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, mixed leafy greens, nuts, green onions, fruits, swabs, water	PCR System
<i>Salmonella</i> sp.	MB315.01 (25 - 375 g)	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, mixed leafy greens, nuts, green onions, fruits, swabs, water	PCR System
<i>Listeria</i> sp. and <i>L. monocytogenes</i>	MB316.01 AOAC-RI PTM 021201 (25 - 375 g)	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, mixed leafy greens, nuts, green onions, fruits, swabs, water	PCR System

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>E. coli</i> O157, EHEC / STEC, <i>Salmonella</i> sp., <i>Listeria</i> sp. and <i>L. monocytogenes</i>	MB490.01 MB316.01 AOAC-RI PTM 021201 (25 - 375 g) (1 - 2 L)	Sprouts: Irrigation Water and Processing Water	PCR System (24 hours)
Gram-Negative and Gram-Positive Bacterial Family Groups	MB491.01 Process Control Index (25 - 375 g)	Food, Raw ground beef, raw beef trim, raw poultry, RTE turkey, mixed leafy greens, nuts, green onions, fruits, swabs, water	PCR System
<i>Shigella</i> sp.	MB222.01 (25 - 375 g)	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, mixed leafy greens, nuts, green onions, fruits, swabs, water	PCR System
<i>E. coli</i> 0157	MB217.02 AOAC-RI PTM 011401 (25 - 375 g)	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, mixed leafy-greens, nuts, green onions, fruits, swabs, water	Roka Atlas
STEC	MB217.02 AOAC-RI PTM 011401 (25 - 375 g)	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, mixed leafy-greens, nuts, green onions, fruits, swabs, water	Roka Atlas
<i>Salmonella</i> sp.	MB217.02 AOAC-RI PTM 031201; AOAC-RI PTM 041303 (25 - 375 g)	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, mixed leafy-greens, nuts, green onions, fruits, swabs, water	Roka Atlas
<i>Listeria</i> sp. <i>Listeria monocytogenes</i>	MB316.02 AOAC-RI PTM 011201; AOAC-RI PTM 061503; AOAC-RI PTM 111301 (25 - 375 g)	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, mixed leafy-greens, nuts, green onions, fruits, swabs, water	Roka Atlas

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Aerobic Plate Count	MB073.02 AOAC 990.12 (25 g)	Food, RTE foods (meats, dairy, produce, salads, cereals), raw meats, poultry, seafood, mixed leafy greens, green onions, fruits, seeds, grains, nuts and their derivatives, spices, swabs, water, animal food and feeds	Petrifilm
Aerobic Plate Count	MB073.01 FDA BAM Chapter 3 AOAC 966.23 CMMEF, 4 th Ed. (25 g)	Food, RTE foods (meats, dairy, produce, salads, cereals), raw meats, poultry, seafood, mixed leafy greens, green onions, fruits, seeds, grains, nuts and their derivatives, spices, swabs, water, animal food and feeds	Agar Plate
Total Coliform/ <i>E. coli</i>	MB072.01 AOAC 991.14; AOAC 998.08 (25 -125 g)	Food and Environmental Samples	Petrifilm
Total Coliform/ <i>E. coli</i>	MB072.02 CMMEF 4 th Ed. (25 -125 g)	Food and Environmental Samples	Agar Plate
Yeast & Mold Count	MB074.02 AOAC 997.02 (25 g)	Food and Environmental Samples	Petrifilm
Yeast & Mold Count	MB074.01 FDA BAM, Ch.18, 8 th Ed. (25 g)	Food and Environmental Samples	Agar Plate
<i>Staphylococcus aureus</i>	MB443.01 AOAC 2003.07; AOAC 2003.08; AOAC 2003.11 AOAC 2001.05 (25 g)	Food and Environmental Samples	Petrifilm

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>Enterobacteriaceae</i> Count	MB219.01 CMMEF, 4 th Ed. (25 g)	Food, RTE foods (meats, dairy, produce, salads, cereals), raw meats, poultry, seafood, mixed leafy greens, green onions, fruits, seeds, grains, nuts and their derivatives, spices, swabs, water, animal food and feeds	Agar Plate
<i>Enterobacteriaceae</i> Count	MB219.02 AOAC 2003.01; FDA BAM, 8 th E. (25 g)	Food, RTE foods (meats, dairy, produce, salads, cereals), raw meats, poultry, seafood, mixed leafy greens, green onions, fruits, seeds, grains, nuts and their derivatives, spices, swabs, water, animal food and feeds	Petrifilm
Lactic Acid Bacteria Count	MB231 CMMEF, 4 th Ed. (25 g)	Food and Environmental Samples	Agar Plate
Total Coliform / Fecal Coliform / Generic <i>E. coli</i>	MB923 FDA BAM, 8 th Ed.; SM 9221 (25 - 125 g) (100-mL)	Food, mixed leafy-greens, swabs, fertilizers and soil amendments, irrigation and potable water	Multiple Fermentation 3-Tubes / 5-Tubes
Aerobic Plate Count / Total Coliform / Generic <i>E. coli</i>	MB705 (25 g)	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, mixed leafy-greens, swabs, water	Multiple Fermentation ACE-IEH MPN (24 hours)
Aerobic Plate Count	MB704.01 (25 g)	Food, mixed leafy-greens, swabs, water	Multiple Fermentation IEH MPN (12 hours)
Generic <i>E. coli</i> Count	MB707.01 (25 g)	Food, environmental swabs / sponges	Multiple Fermentation IEH MPN (12 hours)
Total Coliform / Fecal Coliform / Generic <i>E. coli</i>	SM 9221 (B, E, F) (100-mL)	Potable and non-potable water, wastewater, irrigation water	Multiple Fermentation 3-Tubes / 5-Tubes
Total Coliforms / Generic <i>E. coli</i>	US EPA Method 1604 (100-mL)	Potable and non-potable water, wastewater, irrigation water	Membrane Filtration Funnel System

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Aerobic Plate Count	MB073.06 AOAC-RI PTM 051702 (25 g)	Food, RTE foods (meats, dairy, produce, salads, cereals), raw meats, poultry, seafood, mixed leafy greens, green onions, fruits, seeds, grains, nuts and their derivatives, spices, swabs, water, animal food and feeds, environmental, water	Microfilm
Total Coliform/ <i>E. coli</i>	MB072.04 AOAC-RI PTM 051702 (25 - 125 g)	Food, RTE foods (meats, dairy, produce, salads, cereals), raw meats, poultry, seafood, mixed leafy greens, green onions, fruits, seeds, grains, nuts and their derivatives, spices, swabs, water, animal food and feeds, environmental, water	Microfilm
Yeast and Mold Count	MB074.03 AOAC-RI PTM 051702 (25 g)	Food, RTE foods (meats, dairy, produce, salads, cereals), raw meats, poultry, seafood, mixed leafy greens, green onions, fruits, seeds, grains, nuts and their derivatives, spices, swabs, water, animal food and feeds, environmental, water	Microfilm
<i>E. coli</i> O157, EHEC / STEC, <i>Salmonella</i> sp.	MB320, Ver. 001 (25 g)	Mixed leafy greens	LF-PCR Direct Detection or Detection of Molecular Indicators (6 hours)
<i>Cyclospora cayetanensis</i>	MB928.02 FDA BAM Ch19 a,b,c (25 - 50 g) (10-L)	Vegetables, Fruits, Foods, Water and Environmental Samples	PCR System
<i>Pseudomonas</i>	MB391.01	Food, RTE foods (meats, dairy, produce, salads, cereals), raw meats, poultry, seafood, mixed leafy greens, green onions, fruits, seeds, grains, nuts and their derivatives, spices, swabs, water, animal food and feeds	Agar Plate

Microbiological

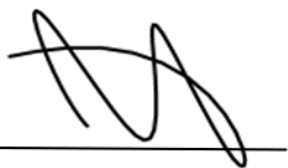
Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>Enterobacteriaceae</i> Counts	MB219.04	Food, RTE foods (meats, dairy, produce, salads, cereals), raw meats, poultry, seafood, mixed leafy greens, green onions, fruits, seeds, grains, nuts and their derivatives, spices, swabs, water, animal food and feeds	Microfilm

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Sample Preparation for Pesticide Multiresidue Analysis	RE942.01 CDFA	Food (meats, dairy, produce, salads, cereals), raw meats, poultry, seafood, mixed leafy-greens, green onions, fruits, seeds, grains, nuts and their derivatives, water, animal food and feeds	Acetonitrile Extraction Multiple Systems

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1502.



Jason Stine, Vice President