



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

IEH Laboratories and Consulting Group
19055 Portola Drive
Salinas, CA 93908

Fulfills the requirements of

ISO/IEC 17025:2017

And

**AOAC International Guidelines for Laboratories Performing
Microbiological and Chemical Analysis of Food, Dietary
Supplements, and Pharmaceuticals (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.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 09 March 2023
Certificate Number: AT-1536



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

19055 Portola Drive
 Salinas, CA 93908

Ramon Aboytes Ph. D. 831-758-2652
aboytesr@ieh.inc.com www.iehinc.com

TESTING

Valid to: **March 9, 2023**

Certificate Number: **AT-1536**

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	MB217.01 AOAC-RI PTM 100701	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	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	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
Process Control Index	MB491.01	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	PCR System
<i>Listeria</i> sp. and <i>L. monocytogenes</i>	MB316.01 AOAC-RI PTM 021201	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	PCR System
<i>Shigella</i> sp.	MB222.01	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	PCR System
<i>E. coli</i> 0157, EHEC / STEC, <i>Salmonella</i> sp.	RS-ME1082019	Mixed leafy greens	LF-PCR System (6 hours)
<i>Cyclospora cayetanensis</i>	MB928.02 FDA-BAM 19 A, B, C	Vegetables, fruits, foods, water and environmental samples	PCR System
<i>Enterobacteriaceae</i> Count	MB219.01 CMMEF Ch. 8	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 and animal food and feeds.	Pour Plate

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> 0157	MB217.02 AOAC-RI PTM 011401	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, Mixed leafy-greens, nuts, green onions, frits, swabs, water	Roka Atlas
EHEC/STEC	MB217.02 AOAC-RI PTM 011401	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, Mixed leafy-greens, nuts, green onions, frits, swabs, water	Roka Atlas
<i>Salmonella</i> sp.	MB217.02 AOAC-RI PTM 031201; AOAC-RI PTM 041303	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, Mixed leafy-greens, nuts, green onions, frits, swabs, water	Roka Atlas
<i>Listeria</i> sp. <i>L. monocytogenes</i>	MB316.02 AOAC-RI PTM 011201; AOAC-RI PTM 061503; AOAC-RI PTM 111301	Food, raw ground beef, raw beef trim, raw poultry, RTE turkey, Mixed leafy-greens, nuts, green onions, frits, swabs, water	Roka Atlas
Aerobic Plate Count	MB073.02 AOAC 990.12	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 AOAC 966.23; FDA BAM Ch. 3	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
Aerobic Plate Count	MB073.06 AOAC-RI PTM 051702	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	Microfilms
Total Coliform / <i>E. coli</i>	MB072.01 AOAC 991.14; AOAC 998.08	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	Petrefilm
Total Coliform / <i>E. coli</i>	MB072.02 FDA BAM Ch. 4; CMMEF 4 th Ed Ch. 4	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>	MB072.04 AOAC-RI PTM 051702	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	Microfilms
Enterobacteriaceae Count	MB219.02 AOAC 2003.01	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	Petrefilm

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Yeast & Mold Count	MB074.02 AOAC 997.02	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
Yeast and Mold Count	MB074.03 AOAC-RI PTM 051702	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	Microfilms
ACE-IEH MPN	MB705	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	Multiple Fermentation (24 hours)
Enterobacteriaceae-IEH MPN	MB702.02	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	Multiple Fermentation (24 hours)
APC-IEH MPN	MB704	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	Multiple Fermentation (12 hours)

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> -IEH MPN	MB707	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	Multiple Fermentation (12 hours)
Total Coliforms / Fecal Coliforms / Generic <i>E. coli</i>	MB923 SM9221-B, E, F.	Potable and nonpotable water	Multiple Fermentation
Total Coliforms Generic <i>E. coli</i>	EPA 1604; EPA 1603	Potable and nonpotable water	Membrane Filtration
Total Coliforms / Fecal Coliforms / Generic <i>E. coli</i>	EPA 1681 FDA BAM Ch. 4	Foods, dairy, vegetables, liquid fertilizer, soil amendments and soils	Multiple Fermentation

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 Analysis	RE942.01	Food, mixed leafy greens, fruits, grains, nuts, soil amendments, irrigation and potable water	Sample Preparation

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT -1536.



R. Douglas Leonard Jr., VP, PILR SBU