



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.

Jason Stine, Vice President

Expiry Date: 09 March 2027

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

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Salinas, CA 93908

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TESTING

Valid to: **March 9, 2027**

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 (PCT)	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>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>Lactic Acid Bacteria</i>	MB231 CMMEF Ch19	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
<i>E. coli</i> O157	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/Rapid Petrifilm

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	MB073.01 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/Pour Plate
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	Microfilm
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	Petrifilm
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/Pour 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	Microfilm

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
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	Petrifilm
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/Rapid 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	Microfilm
Enterobacteriaceae Count	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
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-Microplate (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-Microplate (12 hours)
Total Coliforms / Fecal Coliforms / Generic <i>E. coli</i>	MB923 SM9221-B, E, F.	Potable and nonpotable water liquid fertilizer, soil amendments and soils	Tube 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	liquid fertilizer, soil amendments and soils	Tube Multiple Fermentation
Total Coliforms / Fecal Coliforms / Generic <i>E. coli</i>	FDA BAM Ch. 4	Foods, dairy, vegetables	Tube 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.



Jason Stine, Vice President