

CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

IEH Warren Analytical 650 O Street Greeley, CO 80631

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 – (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.

SDE

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 27 February 2024 Certificate Number: AT-1622





SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017 AND

AOAC International Guidelines for Laboratories Performing Microbiological and Chemical Analysis of Food, Dietary Supplements and Pharmaceuticals (2018)

IEH Laboratories and Consulting Group IEH Warren Analytical

650 O Street Greeley, CO 80631

Elizabeth Forsyth 970-475-0252 elizabeth.forsyth@iehinc.com www.iehinc.com

TESTING

Valid to: **February 27, 2024**Certificate Number: **AT-1622**

Microbiological

Version 009 Issued: December 29, 2022

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
E. coli O157:H7 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
Salmonella 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
Campylobacter	MB216.01	Food, raw ground beef, raw beef trim, raw poultry, carcass rinse, RTE turkey, mixed leafy greens	PCR system
Listeria sp. and L. monocytogenes	MB316.01 AOAC-RI PTM 021201	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 Test (PCT Index) GN, GNE, GNL, MPC, MPI	MB491.01	Food a <mark>n</mark> d Environmental Samples	PCR system
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	MB073.06	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
Aerobic Plate Count	MB075 AOAC977.27	Food and Environmental Samples	Spiral Plater
Total Coliform Generic <i>E. coli</i>	MB072.01 AOAC 991.14; AOAC 998.08	Food and Environmental Samples	Petrifilm
Total Coliform Generic <i>E. coli</i>	MB072.04	Food and Environmental Samples	Microfilm
Total Coliform Generic <i>E. coli</i>	MB072.03	Food and Environmental Samples	Spread Plate
Staphylococcus aureus	MB443.01 AOAC 2003.07; AOAC 2003.08; AOAC 2003.11	Food and Environmental Samples	Petrifilm
Yeast and Mold	MB074.02 AOAC 997.02	Food and Environmental Samples	Petrifilm
Yeast and Mold	MB074.03	Food and Environmental Samples	Microfilm
Yeast and Mold	MB074.01 FDA BAM, Ch. 18, 8 th Ed.	Food and Environmental Samples	Spread Plate
Total Enterobacteriaceae	MB219.02 AOAC 2003.01; FDA BAM, 8 th Ed.	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
Total Enterobacteriaceae	MB219.03	Food a <mark>n</mark> d Environmental Samples	Spread Plate
Clostridium perfringens	MB218 CMMEF, 4 th ed.	Food a <mark>nd</mark> Environmental Samples	Spread Plate
Lactobacillus	MB075	Food and Environmental Samples	Spiral plates
Total Coliforms / E. coli	MB706.01	Water	Membrane Filtration

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Moisture	CH021.01 AOAC 950.46	Foods	Oven
Fat in Meat	CH041.01 AOAC 960.39	Foods	Soxhlet
Trans/Saturated Fat	RE055.01 AOAC 996.06	Food	GC/FID
Total, Soluble and Insoluble Fiber	CH067.01 AOAC 991.43	Food	Gravimetric
Protein Determination	CH068 AOAC 992.15; AOAC 990.03; AOAC 992.23	Foods	LECO Combustion Method
Salt	CH097.01 AOAC 971.27	Foods	Potentiometric Method
Ash Determination	CH147.01 AOAC 920.153	Foods	Furnace
Fat Determination	CH159.01 AOAC 945.44	Foods	Acid Hydrolysis
Cholesterol	RE053.01	Foods	HPLC
Vitamin C	RE017	Foods	HPLC
Vitamin A	RE054	Foods	HPLC
Sugar Determination	RE004	Foods	HPLC



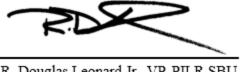


Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Peroxide Value	CH216.02	Food	Titrimetric
Calories and Carbohydrates	СН029.01	Food/Feed	Calculation

Note:

This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1622.



R. Douglas Leonard Jr., VP, PILR SBU



