



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Columbia Laboratories

**12423 NE Whitaker Way
Portland, OR 97230**

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 – 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 read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 06 January 2025

Certificate Number: AT-1508



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

Columbia Laboratories

12423 NE Whitaker Way
Portland, OR 97230

Derrick Tanner 503-254-1794
Derrick.tanner@tentamus.com www.columbialaboratories.com

TESTING

Valid to: **January 6, 2025**

Certificate Number: **AT-1508**

Chemistry

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Calories	USDA Ag. Handbook 74	Food	Calculation
Carbohydrates	USDA Ag. Handbook 74	Food	Calculation
Protein	AOAC 2001.11 (SOP 2062)	Food Feed Dietary Supplements	Titration
Sugars	Food Chemistry Vol. 74 (SOP 2059)	Food Feed Dietary Supplements	GC-FID
Cholesterol	AOAC 994.10 (SOP 2041)	Food Feed Dietary Supplements	GC/FID
Total Fat	AOAC 922.06 (SOP 2061)	Food Feed Dietary Supplements	Gravimetric Analysis
Crude Fat	AOAC 2003.06 AOAC 991.36 (SOP 2064)	Food Feed Dietary Supplements	Gravimetric Analysis
Moisture and Solids	AOAC 925.10 (SOP 2067, SOP 8765)	Food Feed Dietary Supplements	Gravimetric Analysis

Chemistry

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Moisture, Solids, and Ash	AOAC 966.02 (SOP 4255)	Botanicals	Gravimetric Analysis
Ash	AOAC 923.03 (SOP 8765)	Food Feed Dietary Supplements	Gravimetric Analysis
pH	AOAC 981.12 (SOP 2113)	Food Feed Dietary Supplements	Potentiometric Analysis
Water Activity	AOAC 978.18 (SOP 2183)	Food Feed Dietary Supplements Botanicals	Aqualab Water Activity Meter
Total Dietary Fiber	AOAC 991.43 (SOP 1861)	Food Feed Dietary Supplements	Gravimetric Analysis
Fatty Acid Profile	AOCS Ce 1h-05 (SOP 2815)	Food Feed Dietary Supplements	GC-FID
Free Fatty Acids	ISO 660 (SOP 11556)	Food Feed Dietary Supplements	Spectrophotometer
Peroxide Value	ISO 3960 (SOP 11556)	Food Feed Dietary Supplements	Spectrophotometer
Vitamin A	AOAC 2001.13 (SOP 10759)	Food Feed Dietary Supplements Botanicals	LC-DAD
Vitamin C	JAFc Vol. 51 (SOP 9651)	Food Feed Dietary Supplements Botanicals	LC-DAD
Vitamin D	RCIMS Vol. 28 (SOP 10759)	Food Feed Dietary Supplements Botanicals	LC-DAD LC-MS/MS
Vitamin E	AOAC 992.03 (SOP 10759)	Food Feed Dietary Supplements Botanicals	LC-DAD-FLD

Chemistry

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Allergens	ELISA (SOP 10736)	Food Feed Dietary Supplements	ELISA
Gluten	AOAC 2012.01 (SOP 10736)	Food Feed Dietary Supplements	ELISA
Multi-Residue Pesticides	AOAC 2007.01 (SOP 3347)	Food Feed Dietary Supplements Botanicals	GC-FPD GC-ECD GC-XSD GC-MS GC-MS/MS LC-MS/MS
Polar Pesticides	EURL-SRM Ver. 7 (SOP 3173)	Food Feed Dietary Supplements Botanicals	LC-MS/MS
Mycotoxins	AOAC 2007.01 (SOP 3172)	Food Feed Dietary Supplements Botanicals	LC-MS/MS
Residual Solvents	EPA 5021A (SOP 2439)	Food Dietary Supplements Botanicals	HS-GC-MS
Patulin in Apple	AOAC 2000.02 (SOP 2039)	Food	LC-DAD
Elemental Analysis (Was Heavy Metals)	AOAC 2013.06 (SOP 2189)	Food Feed Dietary Supplements Botanicals Water	ICP-MS
Arsenic Speciation	US FDA: Elemental Analysis Manual: Section 4.11 (SOP 6695)	Food Feed Dietary Supplements Botanicals	LC-ICP-MS
Elemental Analysis (Was Minerals)	AOAC 2011.14 (SOP 2192)	Food Feed Dietary Supplements Botanicals Water	ICP-OES
Sulfites	AOAC 990.28 (SOP 2187)	Food Feed Dietary Supplements	Titration

Chemistry

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Antibiotics in Honey	JOAC International Vol. 85 (SOP 3171)	Food	LC-MS/MS
Diastase in Honey	AOAC 958.09 (SOP 2023)	Food	Spectrophotometer
HMF in Honey	IHC 2009 (SOP 2075)	Food	LC-DAD
Moisture in Honey	IHC 2009 (SOP 2074)	Food	Refractometer
Cannabinoids	JAOAC International Vol. 98 (SOP 2438)	Food Botanicals	LC-DAD
Terpenes	JAOAC International Vol. 98 (SOP 3092)	Food Botanicals	GC-FID GC-MS
Alkaloids	AOAC SMPR 20165.008 (SOP 3174)	Food Botanicals	LC-DAD

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	AOAC 990.12 (SOP 2350)	Food Feed Botanicals	3M Petrifilm
Bacillus cereus	AOAC 980.31 (SOP 2319)	Food Feed Dietary Supplements Botanicals	Plate Count
Clostridium spp.	AOAC 976.30 (SOP 2291)	Food Feed Dietary Supplements Botanicals	Plate Count
Clostridium perfringens	AOAC 976.30 (SOP 2291)	Food Feed Dietary Supplements Botanicals	Plate Count
Enterobacteriaceae	AOAC 2003.01 (SOP 2351)	Food Feed Botanicals	3M Petrifilm

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Lactic Acid Bacteria	AOAC PTM 041701 (SOP 2349)	Food Feed Botanicals	3M Petrifilm
Pseudomonas	ISO 13720 (SOP 2320)	Food	Plate Count
Staphylococcus aureus	AOAC 2003.07 (SOP 2352)	Food Feed	3M Petrifilm
Rapid Yeast & Mold	AOAC 2014.05 (SOP 2354)	Food Feed Botanicals	3M Petrifilm
Listeria monocytogenes	AOAC 2019.11 (SOP 2377)	Food Feed Dietary Supplements Botanicals	PCR
Listeria spp.	AOAC 2019.10 (SOP 2376)	Food Feed Dietary Supplements Botanicals	PCR
Salmonella	AOAC 2020.02 (SOP 2375)	Food Feed Dietary Supplements Botanicals	PCR
Coliforms & E. coli	AOAC 991.14 (SOP 2347)	Food Feed Botanicals	3M Petrifilm
STEC/EHEC	AOAC PTM 121806 (SOP 2379)	Food Feed Dietary Supplements Botanicals	PCR
E. coli O157:H7	AOAC 2019.03 (SOP2378)	Food Feed Dietary Supplements Botanicals	PCR
Aspergillus	Gene-UP Aspergillus PRO Test Kit reference IS1086 (SOP 2380)	Food Feed Dietary Supplements Botanicals	PCR

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1508.



R. Douglas Leonard Jr., VP, PILR SBU

