



# CERTIFICATE OF ACCREDITATION

## ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

**Exact Scientific Services, Inc.**

**1355 Pacific Place, Ste. 101**

**Ferndale, WA 98248**

has been assessed by ANAB and meets the requirements of international standard

**ISO/IEC 17025:2017**

while demonstrating technical competence in the field of

**TESTING**

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

AT-1754

Certificate Number

  
ANAB Approval

Certificate Valid Through: 01/29/2021  
Version No. 007 Issued: 12/13/2019



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**

**Exact Scientific Services, Inc.**

1355 Pacific Place, Ste. 101  
Ferndale, WA 98248

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**TESTING**

Valid to: **January 29, 2021**

Certificate Number: **AT-1754**

**Microbiological**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Standard Plate Count	ESS 2.2.1 Based on AOAC, FDA BAM, APHA CMMEF	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients Environmental Swabs	Pour Plate
Coliforms / <i>E. coli</i>	ESS 2.2.11 Based on AOAC, FDA BAM, APHA CMMEF	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients Environmental Swabs	Multiple Tube Fermentation
<i>Staphylococcus aureus</i>	ESS 2.2.3 Based on AOAC, APHA CMMEF	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients Environmental Swabs	Spread plate
<i>Bacillus cereus</i>	ESS 2.2.7 Based on AOAC, APHA CMMEF	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients Environmental Swabs	Spread plate
Yeast/Mold	ESS 2.2.5 Based on AOAC	Processed Foods Food & Feed Ingredients Environmental Swabs	Petrifilm

**Microbiological**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>Salmonella</i> species	ESS 2.2.6 Based on AOAC	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients Environmental Swabs	Real Time PCR System
<i>Listeria</i> species	ESS 2.2.14 Based on AOAC	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients Environmental Swabs	Real Time PCR System
<i>Listeria monocytogenes</i>	ESS 2.2.16 Based on AOAC	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients Environmental Swabs	Real Time PCR System
<i>E. coli</i> STEC	ESS 2.2.12 Based on AOAC	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients Environmental Swabs	Real Time PCR System
<i>E. coli</i> O157:H7	ESS 2.2.15 Based on AOAC	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients Environmental Swabs	Real Time PCR System
<i>Cronobacter sakazakii</i>	ESS 2.2.8 Based on AOAC	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients Environmental Swabs	Real Time PCR System
Microbial Enumeration Tests	ESS 2.3.5 Based on USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Spread Plate/Pour Plate
<i>Enterobacteriaceae</i>	ESS 2.2.29 Based on APHA CMMEF	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Spread Plate / Pour Plate

**Microbiological**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
Microbial Procedure for Absence of Specified Microorganisms Including: <ul style="list-style-type: none"> <li>• Staphylococcus</li> <li>• Escherichia coli</li> <li>• Pseudomonas aeruginosa</li> <li>• Salmonella</li> <li>• Clostridia</li> </ul>	ESS 2.3.6 Based on USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Enrichment, Spread Plate, Selective Agar, Multiple Tube Fermentation
Coliform and <i>Escherichia Coliform</i>	ESS 2.2.17 Based on AOAC	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Pour Plate
<i>Enterobacteriaceae</i>	ESS 2.2.30 Based on APHA CMMEF	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	MTF
<i>E. coli</i> O157:H7	ESS 2.2.31 Based on AOAC	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Lateral Flow
Yeast/Mold 48hr	ESS 2.2.4 Based on AOAC	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Spread Plate
Shigella	ESS 2.2.24 Based on FDA BAM, APHA CMMEF	Dietary Supplements Processed Foods Food & Feed Ingredients	Negative per X grams Negative per Swab Spread Plate Selective Agar
Vibrio	ESS 2.2.23 Based on FDA BAM, APHA CMMEF	Dietary Supplements Processed Foods Food & Feed Ingredients	Negative per X grams Negative per Swab Spread Plate Selective Agar
<i>Coliform / E. coli</i>	ESS 2.1.6 Based on SM 9223B	Dietary Supplements Processed Foods Food & Feed Ingredients Drinking and Surface Water	Idexx Quanti-Tray

**Chemical / Nutritional**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
Minerals / Metals	ESS 3.2.1.200 series Based on AOAC, USP, EPA	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients Water	ICP/MS
Minerals / Metals	ESS 3.3.2.200 series Based on AOAC, USP, EPA	Dietary Supplements Botanicals Processed Foods Food and Feed Ingredients	ICP/OES
Fatty Acids	ESS 3.1.8.201 Based on AOCS, AOAC, USP	Dietary Supplements Botanicals Oils Processed Foods Food & Feed Ingredients	GC/FID
Pesticides	ESS 3.1.8.209 - 3.1.8.213 Based on AOAC	Botanicals Food and Feed Ingredients	GC/MS
Protein	ESS 3.3.3.205 Based on AOAC, FSIS, ISO	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	LECO CN828 Carbon/Nitrogen Analyzer
Fat	ESS 3.3.6.205 Based on AOAC	Dietary Supplements Processed Foods Food & Feed Ingredients	Gravimetric
Moisture	ESS 3.3.6.303 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Oven Gravimetric
Ash	ESS 3.3.6.305 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Muffle Furnace Gravimetric
Peroxide Value	ESS 3.3.6.211 Based on AOAC, USP, AOCS	Dietary Supplements Processed Foods Food & Feed Ingredients	Titration
p-Anisidine	ESS 3.3.19.200 Based on AOCS	Dietary Supplements Processed Foods Food & Feed Ingredients	Spectrophotometer
Free Fatty Acids	ESS 3.3.15.206 Based on AOCS	Dietary Supplements Processed Foods Food & Feed Ingredients	Titration

**Chemical / Nutritional**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
Salt Content	ESS 3.3.6.230 Based on AOAC	Dietary Supplements Processed Foods Food & Feed Ingredients	Titration
Insoluble, Soluble and Total Dietary Fiber	ESS 3.3.6.214 Based on AOAC 991.43	Dietary Supplements Processed Foods Food & Feed Ingredients	Gravimetric
Cholesterol	ESS 3.1.8.200 Based on AOAC	Dietary Supplements Processed Foods Food & Feed Ingredients	GC/FID
GMO 4plex 35S/Nos/FMV+IAC	ESS 2.11.17	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Real Time PCR System
Melamine	ESS 2.10.33	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	ELISA
Ruminant-by-products Beef/Sheep/Goat+IAAC	ESS 2.11.12	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Real Time PCR System
Vitamin B12 (Cyanocobalamin)	ESS 2.11.18 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Microtiter Plate Microbiological / Spectrophotometer
Vitamin B1	ESS 6.2.5 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Microtiter Plate Microbiological / Spectrophotometer
Vitamin B2	ESS 6.2.4 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Microtiter Plate Microbiological / Spectrophotometer
Vitamin B3	ESS 6.2.10 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Microtiter Plate Microbiological / Spectrophotometer
Vitamin B5	ESS 6.2.3 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Microtiter Plate Microbiological / Spectrophotometer

**Chemical / Nutritional**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
Vitamin B6	ESS 6.2.11 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Microtiter Plate Microbiological / Spectrophotometer
Vitamin B7	ESS 6.2.2 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Microtiter Plate Microbiological / Spectrophotometer
Vitamin B9	ESS 6.2.9 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	Microtiter Plate Microbiological / Spectrophotometer
Water Soluble Vitamins (Vitamin C, B vitamins)	ESS 3.1.7.206 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	HPLC
Vitamin E <ul style="list-style-type: none"> <li>• Alpha, Gamma, and Delta Tocopherols</li> <li>• Tocopherol Acetate</li> </ul>	ESS 3.1.7.205 Based on AOAC, USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	HPLC
Vitamin D	ESS 3.4.7.205 Based on AOAC	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	HPLC
Glucoraphanin	ESS 3.1.7.210 Proprietary Method	Plant Seeds	HPLC
Cannabinoids	ESS 3.1.7.226 Proprietary Method	Dietary Supplements Processed Foods Food and Feed Ingredients	HPLC
Terpenes	ESS 3.1.8.214 Proprietary Method	Dietary Supplements Botanicals Processed Foods	GC/FID
Sugars	ESS 3.1.7.207 Based on USP	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	HPLC
Allergen: Gluten	ESS 6.2.6 Based on AOAC	Dietary Supplements Processed Foods Food & Feed Ingredients	ELISA

## Chemical / Nutritional

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Aflatoxin	ESS 6.2.1 Based on AOAC	Dietary Supplements Botanicals Processed Foods Food & Feed Ingredients	ELISA
Detection of Parasites and Viruses by PCR <ul style="list-style-type: none"> <li>Norovirus</li> <li>Hepatitis A</li> <li>Cyclospora</li> <li>Cryptosporidium</li> </ul>	ESS 6.2.14 – 6.2.17 Based on FDA BAM	Produce Food	Real Time PCR
Testing of Plant and Plant Product for Pathogens	Serological	Plants and Plant Products	ELISA
Testing of Plant and Plant Product for Pathogens	Molecular	Plants and Plant Products	PCR
DNA Sequencing	ESS 6.2.8	Bacteria Fish Botanicals Environmental Swabs eDNA Meat Products	NGS DNA Sequencer

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1754.



Vice President