



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Anresco, Inc. dba Anresco Laboratories

**1375 Van Dyke Avenue
San Francisco, CA 94124**

Fulfills the requirements of

ISO/IEC 17025:2017

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: 29 June 2023

Certificate Number: AT-1551



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

Anresco, Inc. dba Anresco Laboratories

1375 Van Dyke Avenue
San Francisco, CA 94124

Sarah Otis 415 822 1100
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TESTING

Valid to: **June 29, 2023**

Certificate Number: **AT-1551**

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Pesticide Residues	FDA PAM, Vol. I, Sections 302-C5, 302-E1 and -E4 AOAC 985.23 Pickering Laboratories, Carbamate Application Manual, Version 2, July 2002 QuEChERS Based on AOAC 2007.01 J. AOAC, Volume 88, No. 2, 2005 J. Agri Food Chem. Vol. 58, 2010	Non-fatty products / Herbal products	GC-FPD GC-NPD GC-ECD LC-FD GC-MS GC-MS/MS LC-MS/MS
Cholesterol	AOAC 994.10	Processed Foods / Foods	GC-FID
Fatty Acid Profile	AOAC 996.06	Processed Foods / Foods	GC-FID
Melamine and its analogs (Ammeline, Ammelide, and Cyanuric Acid)	FDA LIB 4423	Processed Foods / Foods	GC-MS/MS

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Methyl Mercury	FDA LIB 3775 AOAC 988.11	Seafood	GC-ECD
Sugar Profile	AOAC 982.14; AOAC 984.15; AOAC 980.13 AACC 80-40	Processed Foods / Foods	LC-RID
Aflatoxins (B1, B2, G1, and G2)	AOAC 990.33; AOAC 2005.08	Processed Foods / Foods	LC-FD
Chloramphenicol	FDA LIB 4357	Honey	LC-MS/MS
Chloramphenicol	FDA LIB 4508	Seafood	LC-MS/MS
Fluoroquinolones (Ciprofloxacin, Enrofloxacin, Norfloxacin)	FDA LIB 4108 Florida Department of Agriculture and Consumer Services, Method CR405, Rev. 4, September 1, 2006 J. AOAC International Vol. 88, No. 4, 2005, 1160-1166	Honey	LC-MS/MS
Trimethoprim, Sulfonamides, Fluoroquinolones (Ciprofloxacin, Enrofloxacin, Norfloxacin, Sarafloxacin, Difloxacin, Danofloxacin)	FDA LIB 4508	Seafood	LC-MS/MS
Nitrofurantoin Metabolites (SC, AHD, AOZ, AMOZ)	FDA LIB 4482	Seafood	LC-MS/MS
Triphenylmethane Dyes (Malachite Green, Crystal Violet, Brilliant Green)	FDA LIB 4334 and 4395	Processed Foods / Foods	LC-UV/VIS LC-MS/MS

Chemical

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Iron	AOAC 985.35	Pasta	Atomic Absorption Spectrophotometer
Water Phase Salt	AOAC 937.09; AOAC 950.46	Processed Foods / Foods	Air Oven
pH	AOAC 981.12	Processed Foods / Foods	pH Meter
Water Activity	AOAC 978.18 MF-CHEM-12	Processed Foods / Foods Cannabis and Cannabis Products Hemp and Hemp Products	Water Activity Meter
Color Additives in Foods Permitted and Non-Permitted Colors in Foods	J. AOAC International, Vol. 46, No. 6, 1022-1029 (1963) AOAC 988.13 FDA LIB 815 (1968)	Processed Foods / Foods	Spectrophotometer TLC
Non-Nutritive Sweeteners	AOAC 969.27	Foods	TLC
Terpenes	J. AOAC International Vol. 98, No.6, 2015 1503-1522 MF-CHEM-14	Cannabis and Cannabis Products Hemp and Hemp Products	GC-MS
Residual Solvents	Anal. Chem. 2006, 78, 14, 4901-4908 USP 467 MF-CHEM-32	Cannabis and Cannabis Products Hemp and Hemp Products	GC-MS
Cannabinoids	American Herbal Pharmacopeia with Modifications MF-CHEM-15	Cannabis and Cannabis Products Hemp and Hemp Products	GC-FID LC-DAD LC-MS
Alkaloids	American Herbal Pharmacopeia with Modifications	Herbal Products	LC-DAD

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Glyphosate and AMPA	FDA LIB 4595 QuPpe Method – EU Reference Laboratories for Residues and Pesticides v 9.1 Anal. Bioanal. Chem., 391, 2265-2276, 2008 Biosci. Biotechnol. Biochem., 77 (11), 2218-2221, 2013	Processed Foods / Foods / Water / Soil	LC-MS/MS
Heavy Metals	AOAC 2015.01 MF-CHEM-16	Processed Foods / Foods Cannabis and Cannabis Products Hemp and Hemp Products	ICP-MS
Pesticides and Mycotoxins	SCIEX - vMethod Application for Quantitation of Pesticide Residues and Cannabinoids in Cannabis Matrices 1.0 MF-CHEM-13	Cannabis and Cannabis Products Hemp and Hemp Products	LC-MS/MS GC-MS/MS
Polychlorinated Biphenyls (PCBs)	EPA Method 8082a	Oil, Sludges, Pipeline Condensate, Soil and Water	GC-ECD
Alcohol Determination	USP Methyl Alcohol USP 611 Alcohol Determination	Hand Sanitizer	GC-FID
Mask Testing	ASTM F2100-19	Masks	Bacterial Filtration Differential Pressure Flammability Respiratory Resistance Filter Efficiency Synthetic Blood Penetration

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Melatonin	USP <42> - NF 37 Melatonin 5085	Supplements	LC-DAD LC-FLD

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	FDA BAM, Chapter 3 MF-MICRO-1	Processed Foods / Foods Hemp and Hemp Products	Pour Plate Petrifilm
<i>Listeria</i> spp.	FDA BAM, Chapter 10; AOAC 2004.06; AOAC 2013.10; AOAC 2016.07	Processed Foods / Foods Environmental Surfaces	VIDAS ELFA VIDAS LPT 3M MDS 2 LAMP – <i>Listeria</i>
<i>Listeria monocytogenes</i>	AOAC 2016.08	Processed Foods / Foods Environmental Surfaces	3M MDS 2 LAMP – <i>Listeria monocytogenes</i>
<i>Salmonella</i> spp.	FDA BAM, Chapter 5; AOAC 2004.03; AOAC 2011.03; AOAC 2013.01; AOAC 2016.01 MF-MICRO-11	Processed Foods / Foods Environmental Surfaces / Environmental / Cannabis and Cannabis Products Hemp and Hemp Products	VIDAS SLM – ELFA Vidas SPT 3M MDS 2 LAMP – <i>Salmonella</i>
<i>E. coli</i> / Coliforms	FDA BAM, Chapter 4; AOAC 992.30; AOAC 998.08; AOAC 991.14 MF-MICRO-6	Foods Hemp and Hemp Products	ColiComplete, Petrifim, Pour plate
Coliforms	Colilert 18 Hr. Method	Water	Colilert and Quanti-Trays
<i>E. coli</i> O157:H7	AOAC 996.09	Foods	BioControl VIP, Wellcolex Rapid Latex Agglutination

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> STEC/EAE	AOAC Performance Tested Certificate # 071902 MF-MICRO-18	Foods Cannabis and Cannabis Products, Hemp and Hemp Products	3M MDS 2 LAMP – STEC Gene Screen (<i>stx</i> & <i>eae</i>)
<i>Staphylococcus aureus</i>	FDA BAM, Chapter 12; AOAC 2003.08; AOAC 2003.07; AOAC 2003.11	Foods	Petrifilm, MPN, Surface Plating (Baird-Parker, BP)
Yeast and Mold	FDA BAM, Chapter 18; AOAC 2014.05 MF-MICRO-9	Foods Cannabis and Cannabis Products, Hemp and Hemp Products	Pour Plate Petrifilm
<i>Enterococcus</i> spp.	Enterolert Method	Water	Enterolert and Quanti-Trays
<i>Aspergillus</i> spp.	GENE-UP Aspergillus PRO MF-MICRO-14	Foods Cannabis and Cannabis Products	PCR
Enterobacteriaceae	AOAC 2003.01	Foods Environmental Surfaces	Petrifilm

Biological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Filth and Extraneous Matter	AOAC 945.75; AOAC 945.81; AOAC 945.87; AOAC 950.86; AOAC 964.23 A (a); AOAC 965.38 B; AOAC 967.24; AOAC 968.35 E & F; AOAC 970.66; AOAC 971.34 (c); AOAC 972.40 A; AOAC 976.27; AOAC 978.22; AOAC 981.18; AOAC 981.21; AOAC 985.37; AOAC 992.12; AOAC 993.28 FDA LIB 2657; FDA LIB 3134 MACRO-5	Processed Foods / Foods Cannabis and Cannabis Products	Microscope
Leakage, Defects	CFR, Title 21, Section 800.20	Examination Gloves and Surgical Gloves	-
Leakage	FDA LIB 3970; CPG Sec. 345.100	Condoms	-
Sampling (Standard, Bulk, and Aseptic)	FDA Investigations Operations Manual (IOM) Ch. 4 Sampling and FDA ORA Manual (Vol. III Sec. 7- Private Laboratory Guidance SAMPLE-2	Processed Foods / Foods Examination Gloves and Surgical Gloves Cannabis and Cannabis Products	-
Macroscopic Examination of Foods	Macroanalytical Procedures Manual (MPM): V-4A, V-8A, V-8B, V-9F, V-10A, V-11E CPG Sec. 550.300	Foods / Food Products	-

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1551.



R. Douglas Leonard Jr., VP, PILR SBU

