



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Act Laboratories of Florida
4001 SW 47th Avenue, Suite 208, Davie, FL 33314

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017
& Meets the Requirements of the AOAC International Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food and Pharmaceutical-2018

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical, Biological and Non-Destructive Testing
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

September 12, 2019

Issue Date:

July 18, 2023

Expiration Date:

October 31, 2025

Revision Date:

July 22, 2024

Accreditation No.:

103104

Certificate No.:

L23-551-R1

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjlab.com



Certificate of Accreditation: Supplement

Act Laboratories of Florida

4001 SW 47th Street, Suite 208, Davie, FL 33314
Contact Name: Diana Asensio Phone: 844-822-8522

Accreditation is granted to the facility to perform the following testing:

FLEX CODE	FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED
F1, F3	Chemical ^F	Cannabis Plant; Marijuana, Infused Products, Extracts, Hemp Flower/Oil and other Derivatives	Cannabinoids: THCA CBD CBDA CBDVA CBDV CBC CBN CBG CBGA THCV THCVA EXO-THC CBL D8-THC D9-THC D10-THC D8-THCV D9-THCP CBT THC-O	ACT-SOP 801 ACT/GSL-SOP 417 (Expanded Cannabinoids)	HPLC
F1, F3			Pesticides: Daminozide Acephate Flonicamid Oxamyl Methomyl Thiamethoxam Dimethoate Mevinphos Imidacloprid Aldicarb Dichlorvos Thiacloprid Propoxur Carbofuran Carbaryl Imazalil Naled Metalaxyl Spiromesifen Methiocarb Spiroxamine Chlorantraniliprole Paclobutrazol Boscalid Myclobutanil	ACT/GSL-SOP 424	LCMS-MS



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F1, F3	Chemical ^F	Cannabis Plant; Marijuana, Infused Products, Extracts, Hemp Flower/Oil and other Derivatives	Pesticides: Fenhexamid Malathion Phosmet Ethoprophos Bifenazate Prallethrin Dimethomorph Tebuconazole Azoxystrobin Spirotetramat Fenoxycarb Diazinon Kresoxim-methyl Propiconazole Clofentezine Spinosyn A Permethrins Trifloxystrobin Spinosyn D Spinetoram Piperonyl butoxide Chlorpyrifos Hexythiazox Etoxazole Pyrethrins Fenpyroximate Pyridaben Abamectin B 1a Acetamiprid Acequinocyl Etofenprox Bifenthrin Fipronil Fludioxonil Chlormequat Chloride	ACT/GSL -SOP 424	LCMS-MS
F1, F3			Pesticides: Captan Chlordane Chlorfenapyr Coumaphos Cyfluthrin Cypermethrin Parathion-methyl Pentachloronitrobenzene	ACT/GSL- SOP 402	GCMS-MS



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F1, F4	Chemical ^F	Cannabis Plant; Marijuana, Infused Products, Extracts, Hemp Flower/Oil and other Derivatives	Terpenes: Sabinene a-Phellandrene p-Cymene Sabinene Hydrate Fenchone (and Isomers) Endo-Fenchyl Alcohol Camphor (and Isomers) Isoborneol Hexahydrothymol Borneol (and Isomers) Terpeneol (and Isomers) Nerol Geraniol Pulegone (+) Geranyl acetate a-Cedrene Valencene Cedrol alpha-Pinene Camphene beta-Myrcene (-)-beta-Pinene delta-3-Carene alpha-Terpinene trans-beta-Ocimene d-Limonene cis-beta-Ocimene Eucalyptol (1,8-Cineole) gamma-Terpinene Terpinolene Linalool (-)-Isopulegol Geraniol beta-Caryophyllene a-Humulene cis-Nerolidol trans-Nerolidol (-)-Guaiol (-)-Caryophyllene oxide (-)-alpha-Bisabolol	ACT/GSL- SOP 419	GC-FID



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F1, F4	Chemical ^F	Cannabis Plant; Marijuana, Infused Products, Extracts, Hemp Flower/Oil and other Derivatives	Terpenes: a-Pinene Camphene Sabinene b-Myrcene b-Pinene Phellandrene d-3-Carene a-Terpinene cis-b-Ocimene m-Cymene Limonene p-Cymene trans-b-Ocimene Eucalyptol o-Cymene g-Terpinene Terpinolene Sabinene Hydrate Linalool Fenchone a-Fenchol a-Thujone Isopulegol Menthone Camphor Isoborneol Terpinen-4-ol Menthol Isomenthone Borneol Terpeneol Safranal Citronellol Nerol Octyl Acetate Geraniol Pulegone Verbenone d-Valerolactam cis-Citral Thymol Carvacrol Geranyl Acetate a-Cedrene	ACT/GSL- SOP 603 (Direct Liquid Injection)	GC-FID



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F1, F4	Chemical ^F	Cannabis Plant; Marijuana, Infused Products, Extracts, Hemp Flower/Oil and other Derivatives	Terpines: b-Caryophyllene trans-b-Farnesene a-Humulene Valencene cis-Nerolidol trans-Nerolidol Guaiol Caryophyllene Oxide Cedrol a-Bisabolol Farnesol Phytane Nootkatone	ACT/GSL- SOP 603 (Direct Liquid Injection)	GC-FID
F1, F3			Residual Solvents: Propane Butane Methanol Pentane Ethanol Ethyl ether Acetone Isopropyl Alcohol Acetonitrile Methylenechloride n-Hexane Ethyl Acetate Chloroform Benzene 1,2 -Dichloroethane 1,1-Dichloroethene Dichloroethene Cis 1,2-Dichloroethene Trans 1,2-Dichloroethene n-Heptane Trichloroethene Toluene Xylenes Ethylene Oxide	ACT/GSL- SOP 405	HS-GCMS



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F1, F3	Chemical ^F	Cannabis Plant; Marijuana, Infused Products, Extracts, Hemp Flower/Oil and other Derivatives	Mycotoxins: Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Ochratoxin A	ACT/GSL- SOP 424	LCMS-MS	
F1, F3			Water Activity	ACT/GSL- SOP 407	Water Activity Meter	
F1, F3			Heavy Metals: Mercury Lead Arsenic Cadmium	ACT/GSL- SOP 428	ICP-MS	
F1, F3			Moisture Content	ACT/GSL- SOP 411	Moisture Meter	
F1, F3			Biological ^F	<i>E. coli</i> <i>Salmonella</i> <i>STEC E. coli</i> <i>S. aureus</i> <i>A. flavus</i> <i>A. fumigatus</i> <i>A. niger</i> <i>A. terreus</i> <i>C. cotulinum</i> <i>L. monocytogenes</i> <i>Pseudomonas aeruginosa</i> Bile Tolerant Gram Negative Enterobacteriaceae Count Total Coliform Count Total Yeast and Mold Count Total Aerobic Microbial Count	<i>E. coli</i> <i>Salmonella</i> <i>STEC E. coli</i> <i>S. aureus</i> <i>A. flavus</i> <i>A. fumigatus</i> <i>A. niger</i> <i>A. terreus</i> <i>C. cotulinum</i> <i>L. monocytogenes</i> <i>Pseudomonas aeruginosa</i> Bile Tolerant Gram Negative Enterobacteriaceae Count Total Coliform Count Total Yeast and Mold Count Total Aerobic Microbial Count	ACT/GSL- SOP 406
F1, F3	Yeast and Mold Total Aerobic Count	ACT/GSL- SOP 415				Plating
F1, F3	<i>E. coli</i>	ACT/GSL- SOP 416				
F1, F3	Enterobacteriaceae Count Coliform Count <i>S. aureus</i> Count <i>E. coli</i> Count	ACT/GSL-SOP 412				



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F1, F3	Biological ^F	Cannabis Plant; Marijuana, Infused Products, Extracts, Hemp Flower/Oil and other Derivatives	Enterobacteriaceae Count by Microbiological Enumeration of BTGN Organisms	ACT/GSL- SOP 413	Plating
F1, F3			Hops Latent Viroid Lettuce Chlorosis Virus Cannabis Cryptic Virus	ACT/GSL- SOP 414	PCR
F1, F3			Total Yeast and Mold	ACT/GSL- SOP 420	Pathogen Dx
F1, F3			Stability	ACT/GSL- SOP 312	Stability Chamber
F1, F3			Filth and Foreign Material	ACT/GSL- SOP 409	Visual
	Chemical (sampling) ^O	Cannabis Plant; Marijuana/Hemp Flower	Weight and Items	ACT/GSL- SOP 206 Green Scientific Labs SOP for Sampling and FL State 64ER20	N/A
		Final Product – Tinctures, Extracts, Edibles, Topicals, Infused Products, Extracts, Oils, Derivatives		ACT/GSL- SOP 206 Green Scientific Labs SOP for Sampling and FL State 64ER20	

- The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.
- The presence of a superscript O means that the laboratory performs testing of the indicated parameter onsite at customer locations.
- Flex Code:
 F1-Introduction of the testing of a new item, material, matrix, or product for an accredited test method
 F2-Introduction of a new version of an accredited standard method (with no modifications)
 F3-Introduction of a new parameter/component/analyte to an accredited test method
 F4-Introduction of a new version or modifications of an accredited non-standard method
 F5-Introduction of a new method that is equivalent to an accredited method (using same technology or technique)