



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## *Certificate of Accreditation*

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

***Modern Canna***  
**4705 Old Road 37, Lakeland, FL 33813**

*(Hereinafter called the Organization) and hereby declares that Organization 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  
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

***Chemical, Microbiological, 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:*

April 10, 2019

*Issue Date:*

March 24, 2023

*Expiration Date:*

July 31, 2025

*Accreditation No.:*

102020

*Certificate No.:*

L23-248

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.pjilabs.com](http://www.pjilabs.com)*



## Modern Canna

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

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# Certificate of Accreditation: Supplement

## Modern Canna

4705 Old Road 37, Lakeland, FL 33813  
Contact Name: Jini Curry Phone: 863-608-7800

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Chemical <sup>F</sup>	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	<b>Terpenes:</b> Fenchone Fenchyl Alcohol Camphor Menthol Borneol Alpha-Terpineol Nerol Pulegone Geranyl Acetate Alpha-Cedrene Valencene Cedrol Isoborneol Gamma-Terpineol Farnesene	MCS-SOP-Terpenes (GC/MS)	D.L. = 0.004 % D.L. = 0.004 % D.L. = 0.004 % D.L. = 0.004 % D.L. = 0.004 % D.L. = 0.004 % D.L. = 0.004 % D.L. = 0.004 % D.L. = 0.004 % D.L. = 0.004 % D.L. = 0.004 % D.L. = 0.004 % D.L. = 0.004 %
		<b>Pesticides:</b> Abamectin, Total Acephate Acequinocyl Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Chlorpyrifos Carbayl Carbofuran Chlorantraniliprole Chlormequat Chloride Clofentezine Coumaphos Cyfluthrin Cypermethrin Daminozide Diazinon Dichlorvos Dimethoate Dimethomorph, Total Ethoprophos Etofenprox Etoxazole	MCS-SOP-PESTS-GCQQQ; MCS-SOP-PEST-MYCOLCQQQ (GC-QQQ AND LCQQQ)	D.L. = 1.229 µg/kg D.L. = 0.979 µg/kg D.L. = 1.167 µg/kg D.L. = 1.515 µg/kg D.L. = 1.288 µg/kg D.L. = 0.326 µg/kg D.L. = 0.367 µg/kg D.L. = 0.944 µg/kg D.L. = 1.822 µg/kg D.L. = 0.443 µg/kg D.L. = 0.723 µg/kg D.L. = 0.229 µg/kg D.L. = 0.511 µg/kg D.L. = 3.532 µg/kg D.L. = 1.49 µg/kg D.L. = 0.449 µg/kg D.L. = 2.671 µg/kg D.L. = 1.137 µg/kg D.L. = 7.137 µg/kg D.L. = 0.319 µg/kg D.L. = 0.579 µg/kg D.L. = 0.129 µg/kg D.L. = 0.25 µg/kg D.L. = 0.236 µg/kg D.L. = 1.274 µg/kg D.L. = 1.54 µg/kg



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Chemical <sup>F</sup>	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	<b>Pesticides:</b> Fenhexamid Fenoxycarb Fenpyroximate Fipronil Flonicamid Fludioxonil Hexythiazox Imazalil Imidacloprid Kresoxim-Methyl Malathion Metalaxyl Methiocarb Methomyl Mevinphos Myclobutanil Dibrom (Naled) Oxamyl Paclobutrazol Permethrin Phosmet Piperonyl Butoxide Prallethrin Propiconazole (Tilt) Pyridaben Pyrethrins, Total Spinetoram, Total Spinosad A Spinosad D Spiromesifen Spirotetramat Spiroxamine Tebuconazole Thiacloprid Thiamethoxam Trifloxystrobin Baygon (Propoxur) Methyl Parathion Captan Chlordane, Total Chlorfenapyr Penachloronitrobenzene (Quintozene)	MCS-SOP-PESTS-GCQQQ; MCS-SOP-PEST-MYCOLCQQQ (GC-QQQ AND LCQQQ)	D.L. = 0.542 µg/kg D.L. = 0.469 µg/kg D.L. = 0.553 µg/kg D.L. = 2.471 µg/kg D.L. = 0.692 µg/kg D.L. = 1.099 µg/kg D.L. = 0.586 µg/kg D.L. = 2.298 µg/kg D.L. = 1.728 µg/kg D.L. = 0.762 µg/kg D.L. = 1.074 µg/kg D.L. = 0.447 µg/kg D.L. = 1.184 µg/kg D.L. = 0.443 µg/kg D.L. = 0.929 µg/kg D.L. = 1.631 µg/kg D.L. = 0.604 µg/kg D.L. = 0.234 µg/kg D.L. = 1.222 µg/kg D.L. = 1.633 µg/kg D.L. = 0.917 µg/kg D.L. = 0.582 µg/kg D.L. = 0.552 µg/kg D.L. = 1.792 µg/kg D.L. = 0.626 µg/kg D.L. = 1.098 µg/kg D.L. = 1.172 µg/kg D.L. = 1.067 µg/kg D.L. = 0.444 µg/kg D.L. = 0.224 µg/kg D.L. = 0.668 µg/kg D.L. = 0.682 µg/kg D.L. = 1.898 µg/kg D.L. = 1.443 µg/kg D.L. = 1.59 µg/kg D.L. = 0.605 µg/kg D.L. = 0.545 µg/kg D.L. = 0.855 µg/kg D.L. = 2.463 µg/kg D.L. = 1.95 µg/kg D.L. = 2.18 µg/kg D.L. = 1.712 µg/kg



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Chemical <sup>F</sup>	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	<b>Heavy Metals:</b> Arsenic Cadmium Lead Mercury Tin Nickel	MCS-SOP-HEAVY-METALS (ICP-MS)	D.L. = 0.022 µg/kg D.L. = 0.025 µg/kg D.L. = 0.179 µg/kg D.L. = 0.008 µg/kg D.L. = 0.686 µg/kg D.L. = 0.332 µg/kg
		<b>Mycotoxins:</b> Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Ochratoxin A	MCS-SOP-PEST-MYCO-LCQQQ (LC-QQQ)	D.L. = 0.853 ppb D.L. = 0.915 ppb D.L. = 0.662 ppb D.L. = 0.747 ppb D.L. = 0.433 ppb
		<b>Water Activity</b>	MCS-SOP-WATER-ACTIVITY (Water Activity Meter)	0.064 a <sub>w</sub> to 1 a <sub>w</sub>
	Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Extracts and Hemp Edibles	<b>Residual Solvents:</b> Methanol Pentane Ethanol Ethyl Ether Acetone Isopropyl Alcohol Acetonitrile Methylene Chloride Hexane Ethyl Acetate Chloroform Benzene 1,2-Dichloroethane Heptane Trichloroethene Toluene m/p-Xylene o-Xylene Xylene, Total 1,1-Dichloroethylene Ethylene Oxide Butane Propane	MCS-SOP-RESIDUAL SOLVENTS (GC/MS)	D.L. = 4.338 mg/kg D.L. = 0.116 mg/kg D.L. = 2.335 mg/kg D.L. = 0.419 mg/kg D.L. = 1.74 mg/kg D.L. = 1.626 mg/kg D.L. = 3.082 mg/kg D.L. = 0.748 mg/kg D.L. = 0.092 mg/kg D.L. = 0.281 mg/kg D.L. = 0.138 mg/kg D.L. = 0.006 mg/kg D.L. = 0.18 mg/kg D.L. = 1.988 mg/kg D.L. = 0.269 mg/kg D.L. = 0.315 mg/kg D.L. = 0.172 mg/kg D.L. = 0.067 mg/kg D.L. = 0.239 mg/kg D.L. = 0.307 mg/kg D.L. = 0.287 mg/kg D.L. = 0.311 mg/kg D.L. = 0.605 mg/kg



# Certificate of Accreditation: Supplement

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Chemical <sup>F</sup>	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, Hemp Edibles, Soil, Water, and Chemicals	<b>Nutrients:</b> Aluminum Boron Calcium Copper Iron Magnesium Manganese Molybdenum Phosphorous Potassium Sodium Sulfur Zinc Nitrate-Nitrite (NOx) Total Kjeldahl Nitrogen (TKN)	MCS-SOP-NUTRIENTS-ICPOES (ICP-OES)  MCS-SOP-NUTRIENTS-TKN (Discrete Analyzer)  MCS-SOP-NUTRIENTS-NOx (Discrete Analyzer)	D.L. = 0.000 07 % D.L. = 0.000 02 % D.L. = 0.000 07 % D.L. = 0.000 02 % D.L. = 0.000 02 % D.L. = 0.000 07 % D.L. = 0.000 02 % D.L. = 0.000 02 % D.L. = 0.000 07 % D.L. = 0.000 07 % D.L. = 0.000 02 % D.L. = 0.000 07 % D.L. = 0.000 02 % D.L. = 0.005 % D.L. = 0.005 %
	Marijuana Infused Products (Beverages) and Water	<b>pH</b>	MCS-SOP-pH (pH Meter)	1 pH to 14 pH
	Cannabis Plant, Hemp Flower, Soil, and Solid Chemical	<b>Moisture</b>	MCS-SOP-MOISTURE (Vacuum Desiccator)	N/A
Microbiological <sup>F</sup>	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, Hemp Edibles, Source Water, and Swabs	<b>Microbial Screening Presence / Absence:</b> <i>Aspergillus</i> , <i>Total Salmonella</i> <i>Shiga-Toxin E. Coli</i> <i>Aspergillus flavus</i> <i>Aspergillus niger</i> <i>Aspergillus fumigatus</i> <i>Aspergillus terreus</i> <i>Staphylococcus Aureus</i> <i>Listeria</i>	MCS-SOP-MICROBIALS (qPCR)  MCS-SOP-MICROBIALS-STARLET (qPCR)	Presence/Absence
		<b>Microbial Screening Quantitative:</b> Total Coliform Yeast and Mold Total Aerobic Count Bile-Tolerant Gram-Negative Bacteria	MCS-SOP-MICROBIALS (qPCR)  MCS-SOP-MICROBIALS-STARLET (qPCR)	D.L. = 10 CFU/g





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Microbiological <sup>F</sup>	Cannabis Root Material, Cannabis Leaf Material, Hemp Leaf Material, Hemp Root Material	<b>Microbial Screening Presence/Absence:</b> Lettuce Chlorosis Hops Latent Viroid Cannabis Cryptic	MCS-SOP-VIRUSES (qPCR)	Presence/Absence
	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	<b>Microbial Screening Quantitative:</b> Total Yeast & Mold Bile-Tolerant Gram-Negative Bacteria Total Aerobic Count Total Coliform	MCS-SOP-MICRO-PLATING (Plating)	D.L. = 10 CFU/g
Non-Destructive <sup>F</sup>	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, Hemp Edibles, Water, Soil, and Chemical Products	Foreign Material	MCS-SOP-FILTH (Visual, Microscopic)	D.L. = 0.1% by weight, 1% by area  D.L. (Feces) = 0.05mg/kg
		Sampling	MCS-SOP-SAMPLING	N/A
		Sample Compositing	MCS-SOP-SAMPLE-COMPOSITING	N/A

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer<sup>F</sup> would mean that the laboratory performs this testing at its fixed location.