



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Modern Canna
4705 Old Road 37, Lakeland, FL 33813

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

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

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Initial Accreditation Date:

Issue Date:

Expiration Date:

April 10, 2019

May 05, 2025

July 31, 2027

Tracy Szerszen
President

Accreditation No.:

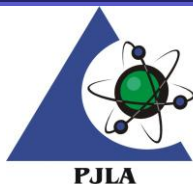
Certificate No.:

102020

L25-348

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.pjllabs.com*



Certificate of Accreditation: Supplement

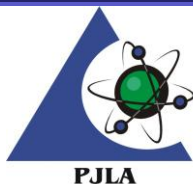
Modern Canna

4705 Old Road 37, Lakeland, FL 33813

Contact Name: Richard Dillen: 863-608-7800

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED	FLEX CODE	LOCATION OF ACTIVITY
Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	Cannabinoids: D9-THC D8-THC THCA THCV CBD CBDA CBDV CBC CBG CBGA CBN Total THC Total CBD	MCS-SOP-POTENCY	HPLC-UV	F1, F4	F
Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	Synthetic Cannabinoids: D10-THC D8-THC Exo-THC HHC THC-O Acetate	MCS-SOP-EXPANDED-POTENCY	HPLC-UV	F1, F4	F
Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	Terpenes: Alpha-Pinene Camphene Beta-Pinene Beta-Myrcene Alpha-Terpinene P-Isopropyltoluene D-Limonene 1,8-Cineole (Eucalyptol) Ocimene Gamma-Terpinene Terpinolene	MCS-SOP-TERPENES	GC/MS	F1, F4	F



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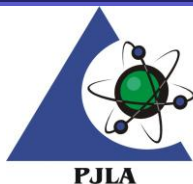
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Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	Terpenes: Linalool Isopulegol Geraniol Beta-Caryophyllene Alpha-Humulene Nerolidol Caryophyllene Oxide Guaiaol Alpha-Bisabolol Sabinene Alpha-Phellandrene 3-Carene Sabinene Hydrate 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	F1, F4	F



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Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	Pesticides: Abamectin, Total Acephate Acequinocyl Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Chlorpyrifos Carbaryl Carbofuran Chlorantraniliprole Chlormequat Chloride Clofentezine Coumaphos Cyfluthrin Cypermethrin Daminozide Diazinon Dichlorvos Dimethoate Dimethomorph, Total Ethoprophos Etofenprox Etoxazole Fenhexamid Fenoxycarb Fenpyroximate Fipronil Flonicamid	MCS-SOP-PESTS-MYCO-LCQQQ	LCQQQ	F1, F4	F



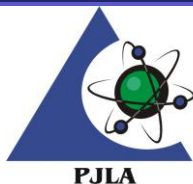
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Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	Pesticides: Fludioxonil Hexythiazox Imazalil Imidacloprid Kresoxim-Methyl Malathion Metalaxyl Methiocarb Methomyl Mevinphos Myclobutanil Dibrom (Naled) Oxamyl Paclobutrazol Permethrin Phosmet Piperonyl Butoxide Prallethrin Propiconazole (Tilt) Pyridaben Pyrethrins, Total Spinetoram, Total Spinosad, Total Spiromesifen Spirotetramat Spiroxamine Tebuconazole Thiacloprid Thiamethoxam Trifloxystrobin Propoxur (Baygon)	MCS-SOP-PESTS-MYCO-LCQQQ	LCQQQ	F1, F4	F



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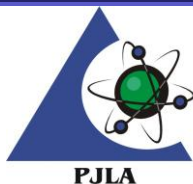
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Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	Pesticides: Captan Chlordane, Total Chlorfenapyr Methyl Parathion Pentachloronitrobenzene (Quintozone)	MCS-SOP-PESTS-GCQQQ	GC-QQQ	F1, F4	F
Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	Heavy Metals: Arsenic Cadmium Lead Mercury Tin Nickel	MCS-SOP-HEAVY-METALS	ICP-MS	F1, F4	F
Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	Mycotoxins: Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Ochratoxin A	MCS-SOP-PESTS-MYCO-LCQQQ	LC-QQQ	F1, F4	F
Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	Water Activity	MCS-SOP-WATER-ACTIVITY	Water Activity Meter	F1, F4	F



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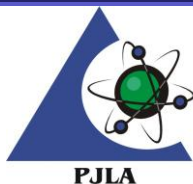
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Chemical	Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Extracts and Hemp Edibles	Residual Solvents: Methanol Pentane Ethanol Ethyl Ether Acetone Isopropyl Alcohol	MCS-SOP-RESIDUAL-SOLVENTS	GC/MS	F1, F4	F
Chemical	Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Extracts and Hemp Edibles	Residual Solvents: 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	F1, F4	F



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Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, Hemp Edibles, Soil, Water, and Chemicals	Nutrients: Aluminum Boron Calcium Copper Iron Magnesium Manganese Molybdenum Phosphorous Potassium Sodium Sulfur Zinc	MCS-SOP-NUTRIENTS-ICPOES	ICP-OES	F1, F4	F
Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, Hemp Edibles, Soil, Water, and Chemicals	Nitrate-Nitrite (NOx)	MCS-SOP-NUTRIENTS-NOx	Discrete Analyzer	F1, F4	F
Chemical	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, Hemp Edibles, Soil, Water, and Chemicals	Total Kjeldahl Nitrogen (TKN)	MCS-SOP-NUTRIENTS-TKN	Discrete Analyzer	F1, F4	F
Chemical	Marijuana Infused Products (Beverages) and Water	pH	MCS-SOP-pH	pH Meter	F1, F4	F
Chemical	Cannabis Plant, Hemp Flower, Soil, and Solid Chemical	Moisture	MCS-SOP-MOISTURE	Vacuum Desiccator	F1, F4	F



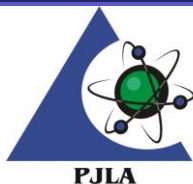
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Biological	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, Hemp Edibles, Source Water, and Swabs	Microbial Screening Presence / Absence: <i>Aspergillus, Total Salmonella Shiga-Toxin E. Coli Aspergillus flavus Aspergillus niger Aspergillus fumigatus Aspergillus terreus Staphylococcus Aureus Listeria</i>	MCS-SOP-MICROBIALS MCS-SOP-MICROBIALS-STARLET	qPCR	F1, F4	F
Biological	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, Hemp Edibles, Source Water, and Swabs	Microbial Screening Quantitative: Total Coliform Yeast and Mold Total Aerobic Count Bile-Tolerant Gram-Negative Bacteria	MCS-SOP-MICROBIALS MCS-SOP-MICROBIALS-STARLET	qPCR	F1, F4	F
Biological	Cannabis Root Material, Cannabis Leaf Material, Hemp Leaf Material, Hemp Root Material	Microbial Screening Presence/Absence: Lettuce Chlorosis Hops Latent Viroid Cannabis Cryptic	MCS-SOP-VIRUSES	qPCR	F1, F4	F
Biological	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, and Hemp Edibles	Microbial Screening Quantitative: Total Yeast & Mold Bile-Tolerant Gram-Negative Bacteria Total Aerobic Count Total Coliform	MCS-SOP-MICROBIALS-PLATING	Plating	F1, F4	F



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Non-Destructive	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	F1, F4	F

FIELD OF SAMPLING	ITEMS, MATERIALS, OR PRODUCTS SAMPLED	TECHNIQUE OR METHOD USED	LOCATION OF ACTIVITY
Cannabis Sampling for subsequent testing	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, Hemp Edibles, Water, Soil, and Chemical Products	MCS-SOP-SAMPLING	O
Cannabis Sampling for subsequent testing	Cannabis Plant, Marijuana Infused Products (Edibles and Beverages), Cannabis Extracts, Hemp Flower, Hemp Extracts, Hemp Edibles, Water, Soil, and Chemical Products	MCS-SOP-SAMPLE-COMPOSITING	O

1. Location of activity:

Location

F

Conformity assessment activity is performed at the CABs fixed facility

O

Conformity assessment activity is performed onsite at the CABs customer location

2. Flex Code:

F0- Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification.

F1- Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope

F2- Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope



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Accreditation is granted to the facility to perform the following conformity assessment activities:

- F3- Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
- F4- Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
- F5- Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope

