



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## *Certificate of Accreditation*

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

***CannaBusiness Laboratories, LLC***  
*2554 Palumbo Drive, Lexington, KY 40509*

*(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 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:*

June 01, 2020

*Issue Date:*

May 2, 2022

*Expiration Date:*

July 31, 2024

*Accreditation No.:*

109588

*Certificate No.:*

L22-336

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



# Certificate of Accreditation: Supplement

## CannaBusiness Laboratories, LLC

2554 Palumbo Drive, Lexington, KY 40509  
 Contact Name: Jamie Hobgood Phone: 859-514-6999

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>	Flower, Concentrates, Edibles, Topicals, Isolates, Oils	Moisture Percent	Shimadzu UniBloc Moisture Analyzer MOC63u	D.L. = 1 %
		Water Activity Level	Meter Group AQUALAB 4TE	Direct measure of water activity accurate to 0.003
		<b>Cannabinoids:</b> CBC CBD CBDa CBDV CBGa CBN d8-THC d9-THC THCa	Shimadzu HPLC-PDA (4)	0.01 µg/mL to 100 µg/mL
		<b>Cannabinoids:</b> CBDV CBG CBD THCV CBN CBC CBL d9-THC d8-THC CBDA CBGA CBDVA D9-THCA-A THCVA CBNA CBCA	Shimadzu LCMS-8050	
		<b>Microbials:</b> <i>Listeria</i> spp. <i>Listeria monocytogenes</i> STEC ( <i>E. coli</i> ) <i>Salmonella</i> Yeast/Mold	BioRad qPCR CFX96 CB-SOP-021 CB-SOP-022 CB-SOP-023 CB-SOP-024	N/A



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Chemical <sup>F</sup>	Flower, Concentrates, Edibles, Topicals, Isolates, Oils	<b>Heavy Metals:</b> Be Na Mg Al K Ca Cr Mn Fe Ni Cu Zn As Se Ag Cd Sb Ba Tl Pb B V Co Mo Hg	Thermo iCAP RQ ICP-MS iCAP Q ICP-MS Anton Paar Microwave GO CB-SOP-027	D.L. = 0.001 ppm D.L. = 0.01 ppm
		<b>Pesticides:</b> AbamectinB1a Acephate Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl Carbofuran Chlorantraniliprole Chlorpyrifos Clofentezine Coumaphos	Shimadzu LCMS-8050 CB-SOP-025	D.L. = 0.001 ppm



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Chemical <sup>F</sup>	Flower, Concentrates, Edibles, Topicals, Isolates, Oils	<b>Pesticides:</b> Daminozide Diazinon Dichlorvos Dimethoate Ethoprophos Etofenprox Etoxazole Fenhexamid Fenoxycarb Fenpyroximate Fipronil Flonicamid Fludioxonil Hexythiazox Imazalil Imidacloprid Kresoxym-methyl Malathion Metalaxyl Methiocarb Methomyl Myclobutanil Naled Oxamyl Paclobutrazol Permethrins Phosmet Piperonyl Butoxide Prallethrin Propiconazole Propoxur Pyrethrin I Pyrethrin II Pyridaben Spinetoram Spinosyn A Spinosyn D Spiromesifen Spirotetramat Spiroxamine-1 Tebuconazole Thiacloprid Thiamethoxam Trifloxystrobin	Shimadzu LCMS-8050 CB-SOP-025	D.L. = 0.001 ppm



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Chemical <sup>F</sup>	Flower, Concentrates, Edibles, Topicals, Isolates, Oils	<b>Mycotoxins:</b> Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Ochratoxin A	Shimadzu LCMS-8050 CB-SOP-025	D.L. = 0.001 ppm
		<b>Terpenes:</b> alpha-Bisabolol alpha-Humulene alpha-Pinene alpha-Terpinene beta-Caryophyllene beta-Myrcene beta-Pinene Camphene cis-Nerolidol d-Limonene delta-3-Carene Eucalyptol gamma-Terpinene Geraniol Guaiol Isopulegol Linalool Ocimene (mix of isomers) p-Isopropyltoluene (p-Cymene) Terpinolene trans-beta-Ocimene trans-Nerolidol	Shimadzu GCMS-QP2020 with HS-20 CB-SOP-026	D.L. = 0.03 mg/g
		Microbials CB-SOP-021 Rev. 1.0 <i>Aspergillus fumigatus</i> <i>Aspergillus flavus</i> <i>Aspergillus niger</i> <i>Aspergillus terreus</i>	BioRad qPCR CFX96	N/A
		Microbials CB-SOP-043 Yeast/Mold qPCR		



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Chemical <sup>F</sup>	Flower, Concentrates, Edibles, Topicals, Isolates, Oils	<b>Residual Solvents:</b> Methanol 2-Methylbutane Ethanol n-Pentane Ether Acetone 2-Propanol Acetonitrile Methylene chloride 2-Methylpentane 3-Methylpentane n-Hexane Ethyl acetate 2-Butanol Tetrahydrofuran Cyclohexane Isopropyl acetate n-Heptane 1,4 Dioxane 2-Ethoxyethanol Toluene Ethylbenzene m+p Xylenes o-Xylene	Shimadzu GCMS-QP2020 with HS-20 CB-SOP-032	D.L. = 83 µg/g D.L. = 117 µg/g D.L. = 117 µg/g D.L. = 117 µg/g D.L. = 117 µg/g D.L. = 117 µg/g D.L. = 117 µg/g D.L. = 41 µg/g D.L. = 30 µg/g D.L. = 29 µg/g D.L. = 29 µg/g D.L. = 29 µg/g D.L. = 58 µg/g D.L. = 58 µg/g D.L. = 18 µg/g D.L. = 49 µg/g D.L. = 58 µg/g D.L. = 117 µg/g D.L. = 10 µg/g D.L. = 8 µg/g D.L. = 22 µg/g D.L. = 27 µg/g D.L. = 54 µg/g D.L. = 27 µg/g

- 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.