



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

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

### ***Black Labs, LLC***

***9030 S. Rita Rd., Suite #320, Tucson, AZ 85747***

*(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):

***Biological (Microbiological), Chemical and Environmental 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

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

*Initial Accreditation Date:*

July 12, 2021

*Issue Date:*

January 19, 2024

*Expiration Date:*

January 19, 2026

*Accreditation No.:*

114974

*Certificate No.:*

L24-63

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



# Certificate of Accreditation: Supplement

## Black Labs, LLC

9030 S. Rita Rd., Suite #320, Tucson, AZ 85747  
 Contact Name: Dr. Glenn Cherry Phone: 605-529-3281

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
Biological (Microbiological) <sup>F</sup>	Hemp Cannabis Cannabis Infused Products	<b>Microbial Contaminants:</b> <i>Salmonella</i> <i>Aspergillus niger</i> <i>Aspergillus fumigatus</i> <i>Aspergillus terreus</i> <i>Aspergillus flavus</i>	Internal SOP: SOP-BL1-012 qPCR PathogenDx	Presence/Absence per 1 gram
		<b>Microbial Contaminant:</b> <i>E. coli</i>	Internal SOP: SOP-BL1-009 Petrifilm	Presence/Absence per 1 gram
Chemical <sup>F</sup>		<b>Cannabinoid Potency:</b> Cannabidiol (CBD) Cannabidiolic acid (CBDA) Delta-9-THC THCA-A	Internal SOP: SOP-BL1-001 HPLC	0.4545 ug/ml - 90.91 ug/ml LOD = 0.130 ug/mL LOD = 0.081 ug/m LOD = 0.337 ug/mL LOD = 0.379 ug/mL
		<b>Heavy Metals:</b> Arsenic Cadmium Lead Mercury	Internal SOP: SOP-BL1-007 ICP-MS	0.2 ppb to 30 ppb LOD = 0.048 ppb LOD = 0.025 ppb LOD = 0.379 ppb LOD = 0.017 ppb
		<b>Residual Solvents:</b> Acetone Acetonitrile Benzene n-Butane iso-Butane Chloroform Dichloromethane Ethanol Ethyl Acetate Diethyl Ether Heptane n-Hexane 3-methylpentane 2,2-dimethylpentane	Internal SOP: SOP-BL1-010 GC/MS	Range: 0.007 ug to 75 ug LOD = 0.991 ug LOD = 0.762 ug LOD = 0 ug LOD = 4.361 ug LOD = 3.652 ug LOD = 0.079 ug LOD = 0.982 ug LOD = 2.327 ug LOD = 5.211 ug LOD = 7.408 ug LOD = 3.865 ug LOD = 0.391 ug LOD = 0.437 ug LOD = 0.61 ug



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Chemical <sup>F</sup>	Hemp Cannabis Cannabis Infused Products	<b>Residual Solvents:</b> Hexane Isomers (2,3-dimethylpentane + 2-methylpentane) Isopropyl Acetate Methanol n-Pentane iso-Pentane neo-Pentane 2-Propanol (IPA) Toluene m&p-Xylenes o-Xylene Ethylbenzene	Internal SOP: SOP-BL1-010 GC/MS	LOD = 1.008 ug LOD = 3.409 ug LOD = 3.992 ug LOD = 4.091 ug LOD = 11.528 ug LOD = 10.522 ug LOD = 4.917 ug LOD = 1.237 ug LOD = 3.974 ug LOD = 3.269 ug LOD = 2.385 ug
	Hemp Cannabis Cannabis Infused Oils	<b>Pesticides:</b> Abamectin (B1a ) Acephate Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl Carbofuran Chlorantraniliprole Chlorfenapyr Chlorpyrifos Clofentezine Cyfluthrin Cypermethrin Daminozide Dichlorvos Diazinon Dimethoate Ethoprophos Etofenprox Etoxazole Fenoxycarb Fenpyroximate Fipronil Flonicamid Fludioxonil Hexythiazox	Internal SOP: SOP-BL1-004 LC/MS/MS	Range: 0.14 ppb to 80 ppb LOD = 0.335 ug/mL LOD = 0.046 ug/mL LOD = 0.098 ug/mL LOD = 0.04 ug/mL LOD = 0.036 ug/mL LOD = 0.062 ug/mL LOD = 0.093 ug/mL LOD = 0.313 ug/mL LOD = 0.139 ug/mL LOD = 0.069 ug/mL LOD = 0.194 ug/mL LOD = 1.727 ug/mL LOD = 0.133 ug/mL LOD = 0.086 ug/mL LOD = 0.805 ug/mL LOD = 0.628 ug/mL LOD = 0.484 ug/mL LOD = 0.062 ug/mL LOD = 0.05 ug/mL LOD = 0.106 ug/mL LOD = 0.222 ug/mL LOD = 0.034 ug/mL LOD = 0.067 ug/mL LOD = 0.045 ug/mL LOD = 0.098 ug/mL LOD = 0.477 ug/mL LOD = 0.301 ug/mL LOD = 0.181 ug/mL LOD = 0.137 ug/mL



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Chemical <sup>F</sup>	Hemp Cannabis Cannabis Infused Oils	<b>Pesticides:</b> Imazalil Imidacloprid Kresoxim-methyl Malathion Metalaxyl Methiocarb Methomyl Myclobutanil Naled Oxamyl Paclobutrazol Trans-Permethrins Cis-Permethrins Phosmet Piperonyl Butoxide Prallethrin Propiconazole Propoxur Pyrethrin I Pyrethrin II Pyridaben Spinosad A Spinosad D Spiromesifin Spirotetramat Spiroxamine Tebuconazole Thiacloprid Thiamethoxam Trifloxystrobin	Internal SOP: SOP-BL1-004 LC/MS/MS	Range: 0.14 ppb to 80 ppb LOD = 0.192 ug/mL LOD = 0.372 ug/mL LOD = 0.211 ug/mL LOD = 0.07 ug/mL LOD = 0.096 ug/mL LOD = 0.182 ug/mL LOD = 0.152 ug/mL LOD = 0.109 ug/mL LOD = 0.43 ug/mL LOD = 0.233 ug/mL LOD = 0.159 ug/mL LOD = 0.149 ug/mL LOD = 0.101 ug/mL LOD = 0.086 ug/mL LOD = 0.294 ug/mL LOD = 0.203 ug/mL LOD = 0.16 ug/mL LOD = 0.071 ug/mL LOD = 0.271 ug/mL LOD = 0.231 ug/mL LOD = 0.037 ug/mL LOD = 0.077 ug/mL LOD = 0.054 ug/mL LOD = 0.045 ug/mL LOD = 0.122 ug/mL LOD = 0.112 ug/mL LOD = 0.109 ug/mL LOD = 0.074 ug/mL LOD = 0.094 ug/mL LOD = 0.053 ug/mL
Biological <sup>F</sup>	Cannabis Infused Oils	<b>Mycotoxins:</b> Aflatoxin (Total B1, B2, G1, G2) Ochratoxin A	Internal SOP : SOP-BL1-013 ELIZA Romer	LOD = 3 ppb LOD = 1.9 ppb
Environmental <sup>F</sup>	Safe Drinking Water	<b>Colitag Coliforms &amp; E. coli:</b> Total Coliforms E coli	Internal SOP: SOP-BL1-017 9223B	Presence/Absence in 100 mL



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Environmental <sup>F</sup>	Safe Drinking Water Solid Waste: Soils, sludges, and sediments	<b>Heavy Metals:</b> Aluminum Antimony Arsenic Barium Beryllium Cadmium Chromium Total Copper Mercury Lead Manganese Molybdenum Nickel Selenium Silver Thallium Vanadium Zinc Turbidity Nephelometric ( NTU) ( 180.1) Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium, Total Copper Mercury Manganese Nickel Lead Antimony Selenium Thallium Vanadium Zinc	200.8 (MICROWAVE ASSISTED DIGESTION (3030K)) TURBIDITY, NEPHELOMETRIC (NTU) (180.1) 6020A (SEDIMENTS, SLUDGES AND SOILS(3050B)) Internal SOPs: Drinking water SOP-BL1-018 Solid Waste SOP-BL1-021 Turbidity SOP-BL1-020 ICP-MS	Range: 1 ppb to 500 ppb LOD = 1.487 ppb LOD = 0.14 ppb LOD = 0.296 ppb LOD = 0.435 ppb LOD = 0.296 ppb LOD = 0.079 ppb LOD = 0.054 ppb LOD = 0.256 ppb LOD = 0.077 ppb LOD = 0.034 ppb LOD = 0.187 ppb LOD = 0.047 ppb LOD = 0.111 ppb LOD = 6.266 ppb LOD = 0.094 ppb LOD = 0.034 ppb LOD = 0.083 ppb LOD = 6.759 ppb LOD = 0.018 1 ppb LOD = 1.23 ppb LOD = 11.04 ppb LOD = 30.07 ppb LOD = 0.32 ppb LOD = 10.17 ppb LOD = 1.51 ppb LOD = 4.96 ppb LOD = 11.8 ppb LOD = 25.83 ppb LOD = 18.73 ppb LOD = 5.26 ppb LOD = 26.69 ppb LOD = 12.49 ppb LOD = 10.16 ppb LOD = 1.59 ppb LOD = 0.45 ppb LOD = 9.52 ppb

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.