

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:

Initial Accreditation Date:

Issue Date:

Expiration Date:

July 12, 2021

January 19, 2024

January 19, 2026

Accreditation No.:

Certificate No.:

114974

L24-63

Tracy Szerszen President

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.pjlabs.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) ^F	Hemp Cannabis	Microbial Contaminants: Salmonella	Internal SOP: SOP-BL1-012	Presence/Absence per 1 gram
(ivitorioriorgicul)	Cannabis Infused	Aspergillus niger	qPCR	
	Products	Aspergillus fumigatus	PathogenDx	
	110000	Aspergillus terrus	1 umogene n	
		Aspergillus flavus		
		Microbial Contaminant:	Internal SOP:	Presence/Absence per 1 gram
		E. coli	SOP-BL1-009	
			Petrifilm	
Chemical F		Cannabinoid Potency:	Internal SOP:	0.4545 ug/ml - 90.91 ug/ml
		Cannabidiol (CBD)	SOP-BL1-001	LOD = 0.130 ug/mL
		Cannabidiolic acid (CBDA)	HPLC	LOD = 0.081 ug/m
		Delta-9-THC		LOD = 0.337 ug/mL
		THCA-A		LOD = 0.379 ug/mL
		Heavy Metals:	Internal SOP:	0.2 ppb to 30 ppb
		Arsenic	SOP-BL1-007	LOD =-0.048 ppb
		Cadmium	ICP-MS	LOD = 0.025 ppb
		Lead		LOD = 0.379 ppb
		Mercury		LOD = 0.017 ppb
		Residual Solvents:	Internal SOP:	Range: 0.007 ug to 75 ug
		Acetone	SOP-BL1-010	LOD = 0.991 ug
		Acetonitrile	GC/MS	LOD = 0.762 ug
		Benzene		LOD = 0 ug
		n-Butane		LOD = 4.361 ug
		iso-Butane		LOD = 3.652 ug
		Chloroform		LOD = 0.079 ug
		Dichloromethane		LOD = 0.982 ug
		Ethanol	9	LOD = 2.327 ug
	/	Ethyl Acetate		LOD = 5.211 ug
		Diethyl Ether		LOD = 7.408 ug
		Heptane		LOD = 3.865 ug
		n-Hexane		LOD = 0.391 ug
		3-methylpentane		LOD = 0.437 ug
		2,2-dimethylpentane		LOD = 0.61 ug



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OF TEST OR PRODUCTS TESTED Chemical F Hemp Cannabis Infused Products Residual Solvents: Hexane Isomers (2,3- dimethylpentane) Isopropyl Acetate Methanol n-Pentane iso-Pentane neo-Pentane 2-Propanol (IPA) Toluene m&p. Abamectin (B1a) Cannabis Infused Oils Hemp Cannabis Infused Oils PROFERTIES MEASURED TECHIQUE USED Internal SOP: SOP-BL1-010 GC/MS LOD = 1.008 ug LOD = 3.409 ug LOD = 3.499 ug LOD = 4.091 ug LOD = 4.917 ug LOD = 1.528 ug LOD = 1.528 ug LOD = 2.385 ug LOD = 3.974 ug LOD = 3.3974 ug LOD = 3.3974 ug LOD = 3.358 ug Ethylbenzene Hemp Cannabis Infused Oils Range: 0.14 ppb to 80 ppb LOD = 0.035 ug/mL LOD = 0.098 ug/mL LOD = 0.098 ug/mL LOD = 0.096 ug/mL LOD = 0.096 ug/mL LOD = 0.131 ug/mL LOD = 0.199 ug/mL LOD = 0.190 ug/mL LOD = 0.190 ug/mL LOD = 0.190 ug/mL LOD = 0.190 ug/mL LOD = 0.191 ug/mL LOD = 0.191 ug/mL LOD = 0.191 ug/mL LOD = 0.192 ug/mL LOD = 0.193 ug/mL LOD = 0.193 ug/mL LOD = 0.193 ug/mL LOD = 0.194 ug/mL LOD = 0.193 ug/mL LOD = 0.194 ug/mL LOD = 0.193 ug/mL LOD = 0.193 ug/mL LOD = 0.194 ug/mL LOD = 0.195 ug/mL LOD = 0.195 ug/mL LOD = 0.195 ug/mL L
Hexane Isomers (2,3-dimethylpentane + 2-methylpentane + 2-methylpentane + 2-methylpentane LOD = 1.008 ug
Cannabis Infused Products Cannabis Infused Products
Products
Isopropyl Acetate Methanol n-Pentane LOD = 3.992 ug LOD = 4.091 ug LOD = 11.528 ug LOD = 10.522 ug LOD = 10.522 ug LOD = 4.917 ug LOD = 1.237 ug LOD = 3.269 ug LOD = 3.269 ug LOD = 3.269 ug LOD = 3.269 ug LOD = 2.385 ug LOD = 2.385 ug LOD = 2.385 ug LOD = 2.385 ug LOD = 3.35 ug/mL LOD = 0.035 ug/mL LOD = 0.046 ug/mL LOD = 0.098 ug/mL LOD = 0.098 ug/mL LOD = 0.098 ug/mL LOD = 0.096 ug/mL LOD = 0.0313 ug/mL LOD = 0.0130 ug/mL LOD = 0.130 ug/mL LOD = 0.190 ug/mL LOD = 0.190 ug/mL LOD = 0.190 ug/mL LOD = 0.130 ug/mL LOD = 0.133 ug/mL LOD = 0.086 ug/mL LO
Methanol n-Pentane iso-Pentane iso-P
n-Pentane iso-Pentane is
iso-Pentane neo-Pentane neo-Pentane 2-Propanol (IPA) Toluene m&p-Xylene neo-Xylene Ethylbenzene Toluene neo-Pesticides: Internal SOP: Range: 0.14 ppb to 80 ppb LOD = 0.335 ug/mL LOD = 0.046 ug/mL LOD = 0.046 ug/mL LOD = 0.046 ug/mL LOD = 0.0313 ug/mL LOD = 0.0313 ug/mL LOD = 0.0313 ug/mL LOD = 0.0139 ug/mL LOD = 0.0139 ug/mL LOD = 0.0139 ug/mL LOD = 0.0194 ug/
neo-Pentane 2-Propanol (IPA) Toluene m&p-Xylenes o-Xylene Ethylbenzene Hemp Cannabis Cannabis Infused Oils Pesticides: Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl Carbofuran Chlorantraniliprole Chlorfenapyr Chlorpyrifos Clofentezine Internal SOP: Range: 0.14 ppb to 80 ppb LOD = 0.335 ug/mL LOD = 0.046 ug/mL LOD = 0.046 ug/mL LOD = 0.046 ug/mL LOD = 0.036 ug/mL LOD = 0.0313 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.194 ug/mL LOD = 0.194 ug/mL LOD = 0.194 ug/mL LOD = 0.193 ug/mL LOD = 0.193 ug/mL LOD = 0.133 ug/mL LOD = 0.086 ug/mL
Cannabis Infused Oils Cannabis Infused Oils Acetamiprid Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl Chlorgenign Carbofuran Chlorantarniliprole Chlorfenapyr Chlorpyrifos Clofentezine Chlorantarniliprole Chlorenapyr Chlorpyrifos Clofentezine CASS 100
Toluene m&p-Xylenes o-Xylene Ethylbenzene Hemp Cannabis Cannabis Infused Oils Acephate Azoxystrobin Bifenazate Bifenthrin Boscalid Carbofuran Chlorantraniliprole Chlorpyrifos Clofentezine Toluene m&p-Xylenes LOD = 3.269 ug LOD = 2.385 ug Range: 0.14 ppb to 80 ppb LOD = 0.335 ug/mL LOD = 0.335 ug/mL LOD = 0.046 ug/mL LOD = 0.040 ug/mL LOD = 0.098 ug/mL LOD = 0.040 ug/mL LOD = 0.062 ug/mL LOD = 0.062 ug/mL LOD = 0.0313 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.133 ug/mL LOD = 0.1086 ug/mL
m&p-Xylenes o-Xylene Ethylbenzene Hemp Cannabis Cannabis Infused Oils Acetamiprid Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl Carbofuran Chlorantraniliprole Chlorpyrifos Clofentezine Memp Pesticides: Internal SOP: Range: 0.14 ppb to 80 ppb LOD = 0.335 ug/mL LOD = 0.035 ug/mL LOD = 0.046 ug/mL LOD = 0.098 ug/mL LOD = 0.098 ug/mL LOD = 0.036 ug/mL LOD = 0.036 ug/mL LOD = 0.031 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.133 ug/mL LOD = 0.1086 ug/mL
o-Xylene Ethylbenzene Hemp Cannabis Cannabis Infused Oils Acetamiprid Azoxystrobin Bifenthrin Boscalid Carbaryl Carbofuran Chlorantraniliprole Chlorpyrifos Clofentezine Internal SOP: SOP-BL1-004 LOD = 0.335 ug/mL LOD = 0.035 ug/mL LOD = 0.046 ug/mL LOD = 0.098 ug/mL LOD = 0.098 ug/mL LOD = 0.062 ug/mL LOD = 0.093 ug/mL LOD = 0.093 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.133 ug/mL LOD = 0.130 ug/mL LOD = 0.133 ug/mL LOD = 0.133 ug/mL LOD = 0.086 ug/mL
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Hemp Cannabis Cannabis Cannabis Infused Oils Acetamiprid Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl Carbofuran Chlorantraniliprole Chlorpyrifos Clofentezine Internal SOP: SOP-BL1-004 LOD = 0.335 ug/mL LOD = 0.046 ug/mL LOD = 0.098 ug/mL LOD = 0.098 ug/mL LOD = 0.036 ug/mL LOD = 0.0313 ug/mL LOD = 0.313 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.131 ug/mL LOD = 0.133 ug/mL LOD = 0.086 ug/mL
Cannabis Cannabis Infused Cannabis Infused Oils Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl Carbofuran Chlorantraniliprole Chlorpyrifos Clofentezine Abamectin (B1a) SOP-BL1-004 LC/MS/MS LOD = 0.335 ug/mL LOD = 0.046 ug/mL LOD = 0.098 ug/mL LOD = 0.036 ug/mL LOD = 0.062 ug/mL LOD = 0.093 ug/mL LOD = 0.131 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.139 ug/mL LOD = 0.133 ug/mL LOD = 0.1086 ug/mL
Cannabis Infused Oils Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl Carbofuran Chlorantraniliprole Chlorpyrifos Clofentezine LC/MS/MS LOD = 0.046 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 = 0.313 ug/mL LOD = 0.139 ug/mL LOD = 0.194 ug/mL LOD = 0.194 ug/mL LOD = 0.133 ug/mL LOD = 0.086 ug/mL
Oils Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl Carbofuran Chlorantraniliprole Chlorpyrifos Clofentezine Dil D = 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 = 0.093 ug/mL LOD = 0.131 ug/mL LOD = 0.139 ug/mL LOD = 0.194 ug/mL LOD = 0.194 ug/mL LOD = 0.133 ug/mL LOD = 0.133 ug/mL LOD = 0.133 ug/mL LOD = 0.086 ug/mL
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$ \begin{array}{c cccc} Carbofuran & LOD = 0.069 \text{ ug/mL} \\ Chlorantraniliprole & LOD = 0.194 \text{ ug/mL} \\ Chlorfenapyr & LOD = 1.727 \text{ ug/mL} \\ Chlorpyrifos & LOD = 0.133 \text{ ug/mL} \\ Clofentezine & LOD = 0.086 \text{ ug/mL} \\ \end{array} $
$ \begin{array}{c cccc} Chlorantraniliprole & LOD = 0.194 \text{ ug/mL} \\ Chlorfenapyr & LOD = 1.727 \text{ ug/mL} \\ Chlorpyrifos & LOD = 0.133 \text{ ug/mL} \\ Clofentezine & LOD = 0.086 \text{ ug/mL} \\ \end{array} $
$ \begin{array}{c c} Chlorfenapyr \\ Chlorpyrifos \\ Clofentezine \end{array} \begin{array}{c} LOD = 1.727 \text{ ug/mL} \\ LOD = 0.133 \text{ ug/mL} \\ LOD = 0.086 \text{ ug/mL} \end{array} $
$ \begin{array}{c c} \textbf{Chlorpyrifos} & \textbf{LOD} = 0.133 \text{ ug/mL} \\ \textbf{Clofentezine} & \textbf{LOD} = 0.086 \text{ ug/mL} \\ \end{array} $
Clofentezine LOD = 0.086 ug/mL
Cyfluthrin $I OD = 0.805 \mu g/mI$
Cypermethrin $LOD = 0.628 \text{ ug/mL}$
Daminozide LOD = 0.484 ug/mL
Dichlorvos $LOD = 0.062 \text{ ug/mL}$
Diazinon $LOD = 0.05 \text{ ug/mL}$
Dimethoate $LOD = 0.106 \text{ ug/mL}$
Etofenprox $LOD = 0.034 \text{ ug/mL}$
Etoxazole $LOD = 0.067 \text{ ug/mL}$
Fenoxycarb $LOD = 0.045 \text{ ug/mL}$
Fenpyroximate $LOD = 0.098 \text{ ug/mL}$
Fipronil LOD = 0.477 ug/mL
Flonicamid $LOD = 0.301 \text{ ug/mL}$
Fludioxonil LOD = 0.181 ug/mL
Hexythiazox $LOD = 0.137 \text{ ug/mL}$



Issue: 01/2024

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FIELD ITEMS, SPECIFIC TESTS OR PROPERTIES SPECIFICATION, RANGE (WHERE					
OF TEST	MATERIALS OR	MEASURED	STANDARD METHOD OR	APPROPRIATE) AND	
	PRODUCTS		TECHNIQUE USED	DETECTION LIMIT	
CI : 1 F	TESTED	D (1.1)	I I GOD	D 0.14 1 . 00 1	
Chemical F	Hemp	Pesticides:	Internal SOP:	Range: 0.14 ppb to 80 ppb	
	Cannabis	Imazalil	SOP-BL1-004	LOD = 0.192 ug/mL	
	Cannabis Infused	Imidacloprid	LC/MS/MS	LOD = 0.372 ug/mL	
	Oils	Kresoxim-methyl		LOD = 0.211 ug/mL	
		Malathion		LOD = 0.07 ug/mL	
		Metalaxyl		LOD = 0.096 ug/mL	
		Methiocarb		LOD = 0.182 ug/mL	
		Methomyl		LOD = 0.152 ug/mL	
		Myclobutanil		LOD = 0.109 ug/mL	
		Naled		LOD = 0.43 ug/mL	
		Oxamyl		LOD = 0.233 ug/mL	
		Paclobutrazol		LOD = 0.159 ug/mL	
		Trans-Permethrins		LOD = 0.149 ug/mL	
		Cis-Permethrins		LOD = 0.101 ug/mL	
		Phosmet		LOD = 0.086 ug/mL	
		Piperonyl Butoxide	-	LOD = 0.294 ug/mL	
		Prallethrin		LOD = 0.203 ug/mL	
		Propiconazole	~ / /	LOD = 0.16 ug/mL	
		Propoxur		LOD = 0.071 ug/mL	
		Pyrethrin 1		LOD = 0.271 ug/mL	
		Pyrethrin II		LOD = 0.231 ug/mL	
		Pyridaben		LOD = 0.037 ug/mL	
		Spinosad A		LOD = 0.077 ug/mL	
		Spinosad D		LOD = 0.054 ug/mL	
		Spiromesifin		LOD = 0.045 ug/mL	
		Spirotetramat		LOD = 0.122 ug/mL	
		Spiroxamine	A	LOD = 0.112 ug/mL	
		Tebuconazole		LOD = 0.109 ug/mL	
		Thiacloprid		LOD = 0.074 ug/mL	
	/	Thiamethoxam		LOD = 0.094 ug/mL	
		Trifloxystrobin		LOD = 0.053 ug/mL	
Biological F	Cannabis Infused	Mycotoxins:	Internal SOP :	LOD = 3 ppb	
78	Oils	Aflatoxin (Total B1, B2, G1, G2)	SOP-BL1-013	LOD = 1.9 ppb	
		Ochratoxin A	ELIZA	FP	
			Romer		
Environmental F	Safe Drinking	Colitag Coliforms & E. coli:	Internal SOP:	Presence/Absence in 100	
2,	Water	Total Coliforms	SOP-BL1-017	mL	
	,, 2001	E coli	9223B		
<u> </u>	I	2 0011	/2239	l	



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