

## PERRY JOHNSON LABORATORY ACCREDITATION, INC.

# Certificate of Accreditation

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

**Green Scientific Labs** 4001 SW 47<sup>th</sup> Avenue, Suite 208, Davie, FL 33314

(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 and Microbiological 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/Operations Manager

Perry Johnson Laboratory Accreditation, Inc. (PJLA) 755 W. Big Beaver, Suite 1325 Troy, Michigan 48084 Initial Accreditation Date:Issue Date:Expiration Date:September 12, 2019September 12, 2019September 12, 2021Revision Date:Accreditation No.:Certificate No.:April 16, 2020103104L19-448-R2

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: <u>www.pjlabs.com</u>



### **Green Scientific Labs**

4001 SW 47<sup>th</sup> Street, Suite 208, Davie, FL 33314 Contact Name: Paul Crage Phone: 833-837-8223

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 F	Cannabis Plant;	Cannabinoids:	Green Scientific SOP	
	Marijuana, Infused	Delta-9 THC	400.01 Potency by	D.L. = $0.25 \mu g/g$
	Products, Extracts,	THCA	HPLC	D.L. = $0.25 \mu g/g$
	Hemp Flower/Oil	CBD		D.L. = $0.25 \mu g/g$
	r r	CBDA		D.L. = $0.25 \mu g/g$
		CBDV		D.L. = $0.25 \mu g/g$
		CBC		D.L. = $0.25 \mu g/g$
		CBN		D.L. = $0.25 \mu g/g$
		CBG		D.L. = $0.25 \mu g/g$
		CBGA		D.L. = $0.25 \mu g/g$
		Delta-8 THC		D.L. = $0.25 \mu g/g$
		THCV		D.L. = $0.25 \mu g/g$
		Pesticides:	Green Scientific SOP	D.D. 0.20 µg,g
		Daminozide	401.01	D.L. = 1 ng/g
		Acephate	Pesticide/Mycotoxin	D.L. = 1  ng/g D.L. = 1  ng/g
		Flonicamid	by LCMS-MS	D.L. = 5  ng/g
		Oxamyl	by Lewis-Wis	D.L. = 3  ng/g D.L. = 1  ng/g
		Methomyl		D.L. = 1  ng/g D.L. = 1  ng/g
		Thiamethoxam		
		Dimethoate		D.L. = $1 \text{ ng/g}$
				D.L. = $1 \text{ ng/g}$
		Mevinphos		D.L. = 1  ng/g
		Imidacloprid		D.L. = 1  ng/g
		Aldicarb		D.L. = 5  ng/g
		Dichlorvos		D.L. = 1  ng/g
		Thiacloprid		D.L. = 1  ng/g
		Propoxur		D.L. = 1  ng/g
		Carbofuran		D.L. = 1  ng/g
		Carbaryl		D.L. = 1  ng/g
		Imazalil		D.L. = 1  ng/g
		Naled		D.L. = 1  ng/g
		Metalaxyl		D.L. = 1  ng/g
		Spiromesifen		D.L. = 1 ng/g
		Methiocarb		D.L. = 1 ng/g
		Spiroxamine		D.L. = 1 ng/g
		Chlorantraniliprole		D.L. = 5  ng/g
		Paclobutrazol		D.L. = 5  ng/g
		Boscalid		D.L. = 5 ng/g
		Myclobutanil		D.L. = 5 ng/g
		Fenhexamid		D.L. = 1 ng/g
		Malathion		D.L. = 1  ng/g
		Phosmet		D.L. = 1  ng/g
		Ethoprophos		D.L. = 1  ng/g
		Bifenazate		D.L. = 1  ng/g
		Prallethrin		D.L. = 5 ng/g



#### **Green Scientific Labs**

4001 SW 47<sup>th</sup> Street, Suite 208, Davie, FL 33314 Contact Name: Paul Crage Phone: 833-837-8223

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 F	Cannabis Plant;	Pesticides:	Green Scientific SOP	
	Marijuana, Infused	Dimethomorph	401.01	D.L. = 1  ng/g
	Products, Extracts,	Tubuconazole	Pesticide/Mycotoxin	D.L. = 1  ng/g
	Hemp Flower/Oil	Azoxystrobin	by LCMS-MS	D.L. = 1  ng/g
	-	Spirotetramat	-	D.L. = 5  ng/g
		Fenoxycarb		D.L. = 5  ng/g
		Diazinon		D.L. = 5  ng/g
		Kresoxim-methyl		D.L. = 5 ng/g
		Propiconazole		D.L. = 5  ng/g
		Clofentezine		D.L. = 5  ng/g
		Spinosyn A		D.L. = 5  ng/g
		Permethrins		D.L. = 5  ng/g
		Trifloxystrobin		D.L. = 5  ng/g
		Spinosyn D		D.L. = 5  ng/g
		Spinetoram		D.L. = 5  ng/g
		Piperonyl butoxide		D.L. = 5  ng/g
		Chlorpyrifos		D.L. = 5  ng/g
		Hexythiazox		D.L. = 5  ng/g
		Etoxazole		D.L. = 5  ng/g
		Pyrethrins		D.L. = 5  ng/g
		Fenpyroximate		D.L. = 5  ng/g
		Pyridaben		D.L. = 5  ng/g
		Abamectin B1a		D.L. = 5  ng/g
		Acequinocyl		D.L. = 5  ng/g
		Etofenprox		D.L. = 5  ng/g
		Bifenthrin		D.L. = 5  ng/g
		Fipronil		D.L. = 5  ng/g
		Fludioxonil		D.L. = 5  ng/g
		Chlormequat Chloride		D.L. = 100 ng/g
		Pesticides:	Green Scientific SOP	
		Captan	402.01 Pesticides by	D.L. = 100 ng/g
		Chlordane	GCMS-MS	D.L. = $10 \text{ ng/g}$
		Chlorfenapyr		D.L. = $10 \text{ ng/g}$
		Coumaphos		D.L. = $10 \text{ ng/g}$
		Cyfluthrin		D.L. = $10 \text{ ng/g}$
		Cypermethrin		D.L. = $10 \text{ ng/g}$
		Parathion-methyl		D.L. = $10 \text{ ng/g}$
		Pentachloronitrobenzene		D.L. = $10 \text{ ng/g}$



#### **Green Scientific Labs**

4001 SW 47<sup>th</sup> Street, Suite 208, Davie, FL 33314 Contact Name: Paul Crage Phone: 833-837-8223

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 F	Cannabis Plant;	Terpenes:	Green Scientific SOP	
	Marijuana, Infused	alpha-Pinene	404.01 Terpenes by	D.L. = $2 \mu g/g$
	Products, Extracts,	Camphene	HS-GCMS	D.L. = $2 \mu g/g$
	Hemp Flower/Oil	beta-Myrcene		D.L. = $2 \mu g/g$
	-	(-)-beta-Pinene		D.L. = $2 \mu g/g$
		delta-3-Carene		D.L. = $2 \mu g/g$
		alpha-Terpinene		D.L. = $2 \mu g/g$
		trans-beta-Ocimene		D.L. = $2 \mu g/g$
		d-Limonene		D.L. = $2 \mu g/g$
		cis-beta-Ocimene		D.L. = $2 \mu g/g$
		Eucalyptol (1,8-Cineole)		D.L. = $4 \mu g/g$
		gamma-Terpinene		D.L. = $2 \mu g/g$
		Terpinolene		D.L. = $2 \mu g/g$
		Linalool		D.L. = $2 \mu g/g$
		(-)-Isopulegol		D.L. = $2 \mu g/g$
		Geraniol		D.L. = $8 \mu g/g$
		beta-Caryophyllene		D.L. = $2 \mu g/g$
		Humulene		D.L. = $2 \mu g/g$
		cis-Nerolidol		D.L. = $4 \mu g/g$
		trans-Nerolidol		D.L. = $4 \mu g/g$
		(-)-Guaiol		D.L. = $8 \mu g/g$
		(-)-Caryophyllene oxide		D.L. = 16 µg/g
		(-)-alpha-Bisabolol		D.L. = $8 \mu g/g$
		Residual Solvents:	Green Scientific SOP	
		Propane	405.01 Residual	D.L. = $30 \mu g/g$
		Butane	Solvents by HS-	D.L. = 48 µg/g
		Methanol	GCMS	D.L. = $6  \mu g/g$
		Pentane		D.L. = $9 \mu g/g$
		Ethanol		D.L. = $12 \mu g/g$
		Ethyl ether		D.L. = $6 \mu g/g$
		Acetone		D.L. = $9 \mu g/g$
		Isopropyl Alcohol		D.L. = $3 \mu g/g$
		Acetonitrile		D.L. = $0.72 \mu g/g$
		Methylenechloride		D.L. = $1.5 \mu g/g$
		n-Hexane		D.L. = $0.6 \mu g/g$
		Ethyl Acetate		D.L. = $2.4 \mu g/g$
		Chloroform		D.L. = $0.36 \mu g/g$
		Benzene		D.L. = $0.06 \mu g/g$
		1,2 -Dichloroethane		D.L. = $0.012 \mu g/g$
		1,1-Dichloroethene		D.L. = $0.6 \text{ ug/g}$
		Dichloroethene		D.L. = $0.09 \text{ ug/g}$
		Cis 1,2-Dichloroethene		D.L. = $0.09 \text{ ug/g}$
		Trans 1,2- Dichloroethene		D.L. = 0.09 ug/g



### **Green Scientific Labs**

4001 SW 47<sup>th</sup> Street, Suite 208, Davie, FL 33314 Contact Name: Paul Crage Phone: 833-837-8223

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	Residual Solvents: n-Heptane	Green Scientific SOP 405.01 Residual	D.L. = $6 \mu g/g$
	Products, Extracts,	Trichloroethene	Solvents by HS-	D.L. = $0.3 \mu g/g$
	Hemp Flower/Oil	Toluene	GCMS	D.L. = $0.9 \mu g/g$
	r r	Xylenes		D.L. = $1.8 \mu g/g$
		Ethylene Oxide		D.L. = $0.06 \mu g/g$
		Mycotoxins:	Green Scientific SOP	
		Aflatoxin B1	401.01	D.L. = 1  ng/g
		Aflatoxin B2	Pesticide/Mycotoxin	D.L. = 1  ng/g
		Aflatoxin G1	by LCMS-MS	D.L. = 1  ng/g
		Aflatoxin G2		D.L. = 1  ng/g
		Orchratoxin A		D.L. = 1  ng/g
		Water Activity	Green Scientific SOP 407.01 Water	0 aw to 0.98 aw
			Activity	
		Heavy Metals:	Green Scientific SOP	D.L. = 3 ng/mL
		Mercury	403.01 Heavy Metals	D.L. = 3 lig/lilL
		Lead	405.01 Heavy Metals	
		Arsenic		
		Cadmium		
		Filth and Foreign Material	Green Scientific SOP	Presence/Absence
	0	i nui and i oreign iviaterial	409.01 Filth and	Tresence/Absence
			Foreign Material	
		Moisture Content	Green Scientific SOP	D.L. = $0.1 \%$ by Weight
		Wolsture Content	411.01 Moisture	D.L. = 0.1 % by weight
			Content	
Microbiological F		E. coli	Green Scientific SOP	Presence/Absence in 1g
wherobiological		Salmonella	406.01 Micro	Fresence/Absence III 1g
		Stec E. coli	Biology by qPCR	
		Stee E. con S. aureus	biology by qPCK	
		A. flavus		
		A. fumigatus		
		A. niger		
		A. Inger A. terrus		
		C. Botulinum		
		L. Monocyte Yeast and Mold	Internal COD 2M	DI 10 -f /
			Internal SOP 3M Petri film	D.L. = 10  cfu/g
		Total Aerobic Count	reurinni	



**Green Scientific Labs** 

4001 SW 47<sup>th</sup> Street, Suite 208, Davie, FL 33314 Contact Name: Paul Crage Phone: 833-837-8223

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
Sampling <sup>O</sup>	Cannabis Plant; Marijuana/Hemp Flower Final Product – Tinctures, Extracts, Edibles, Topicals, Infused Products, Extracts,	Weight Items	GSL 206.02 FL State 64ER20	N/A
	Oils			

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.