



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

SC Laboratories LLC.

100 Pioneer Street Suite E, Santa Cruz, CA 95060

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2005

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:

Initial Accreditation Date:

May 12, 2017

Issue Date:

June 3, 2019

Expiration Date:

August 31, 2021

Tracy Szerszen
President/Operations Manager

Accreditation No.:

87168

Certificate No.:

L19-267

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



Certificate of Accreditation: Supplement

SC Laboratories LLC.

100 Pioneer Street Suite E, Santa Cruz, CA 95060
Contact Name: Cory Lewis Phone: 1-866-435-0709

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 ^F	Cannabis Plant Material	CBDVA	Internally developed HPLC method: QSP 5-4-4-4 HPLC Potency Analysis	0.01 % to 16 % D.L. = 0.0003 %
		CBDV		0.01 % to 12 % D.L. = 0.0003 %
		CBDA		0.01 % to 40 % D.L. = 0.0005 %
		CBGA		0.01 % to 16 % D.L. = 0.0004 %
		CBG		0.01 % to 12 % D.L. = 0.0006 %
		CBD		0.01 % to 40 % D.L. = 0.0007 %
		THCV		0.01 % to 12 % D.L. = 0.0005 %
		CBN		0.01 % to 40 % D.L. = 0.0003 %
		THC		0.01 % to 40 % D.L. = 0.0003 %
		THC delta 8		0.01 % to 12 % D.L. = 0.0009 %
		CBC		0.01 % to 12 % D.L. = 0.0006 %
		THCA		0.01 % to 40 % D.L. = 0.0006 %
		Cannabis Concentrates		CBDVA
	CBDV		0.02 % to 60 % D.L. = 0.00034 %	
	CBDA		0.02 % to 100 % D.L. = 0.0012 %	
	CBGA		0.02 % to 80 % D.L. = 0.0017 %	
	CBG		0.02 % to 60 % D.L. = 0.0012 %	
	CBD		0.02 % to 100 % D.L. = 0.0012 %	
	THCV		0.02 % to 60 % D.L. = 0.0009 %	
		CBN	0.02 % to 100 % D.L. = 0.0006 %	
	THC	0.02 % to 100 % D.L. = 0.0017 %		



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Chemical ^F	Cannabis Concentrates	THC delta 8	Internally developed HPLC method: QSP 5-4-4-4 HPLC Potency Analysis	0.02 % to 60 % D.L. = 0.002 1 %
		CBC		0.02% to 60 % D.L. = 0.001 1 %
		THCA		0.02 % to 100 % D.L. = 0.002 %
	Infused product	CBDVA		0.000 1 % to 44 % D.L. = 3.0 x 10 ⁻⁶ %
		CBDV		0.000 1% to 33 % D.L. = 6.5 x 10 ⁻⁶ %
		CBDA		0.000 1 % to 100 % D.L. = 3.8 x 10 ⁻⁶ %
		CBGA		0.000 1 % to 44 % D.L. = 7.2 x 10 ⁻⁶ %
		CBG		0.000 1 % to 33 % D.L. = 8.6 x 10 ⁻⁶ %
		CBD		0.000 1 % to 100 % D.L. = 5.7 x 10 ⁻⁶ %
		THCV		0.000 1 % to 33 % D.L. = 3.5 x 10 ⁻⁶ %
		CBN		0.000 1 % to 100 % D.L. = 2.9 x 10 ⁻⁶ %
		THC		0.000 1 % to 100 % D.L. = 3.4 x 10 ⁻⁶ %
		THC delta 8		0.000 1 % to 33 % D.L. = 8.3 x 10 ⁻⁶ %
		CBC		0.000 1 % to 33 % D.L. = 9.5 x 10 ⁻⁶ %
		THCA		0.000 1 % to 100 % D.L. = 6.6 x 10 ⁻⁶ %
Cannabis Concentrates, Cannabis Plant Material, Cannabis Infused Products	Cannabinoid Testing: Cannabis Concentrates Δ9-THC Δ8-THC THCVA THCV THCA CBN CBL CBGA CBG CBDVA	QSP 5-4-4-4 (HPLC-DAD)	D.L. = 0.052 mg/g D.L. = 0.074 mg/g D.L. = 0.083 mg/g D.L. = 0.045 mg/g D.L. = 0.052 mg/g D.L. = 0.052 mg/g D.L. = 0.107 mg/g D.L. = 0.034 mg/g D.L. = 0.048 mg/g D.L. = 0.03 mg/g	



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Chemical ^F	Cannabis Concentrates Cannabis Plant Material Cannabis Infused Products	Cannabinoid Testing: CBDV CBDA CBD CBCA CBC	QSP 5-4-4-4 (HPLC-DAD)	D.L. = 0.027 mg/g D.L. = 0.052 mg/g D.L. = 0.059 mg/g D.L. = 0.218 mg/g D.L. = 0.048 mg/g
	Cannabis Plant Material	Δ9-THC Δ8-THC THCVA THCV THCA CBN CBL CBGA CBG CBDVA CBDV CBDA CBD CBCA CBC		D.L. = 0.052 mg/g D.L. = 0.053 mg/g D.L. = 0.085 mg/g D.L. = 0.023 mg/g D.L. = 0.052 mg/g D.L. = 0.052 mg/g D.L. = 0.121 mg/g D.L. = 0.044 mg/g D.L. = 0.03 mg/g D.L. = 0.037 mg/g D.L. = 0.021 mg/g D.L. = 0.052 mg/g D.L. = 0.052 mg/g D.L. = 0.121 mg/g D.L. = 0.031 mg/g
	Cannabis Infused Products	Δ9-THC Δ8-THC THCVA THCV THCA CBN CBL CBGA CBG CBDVA CBDV CBDA CBD CBCA CBC		D.L. = 0.0009 mg/g D.L. = 0.0009 mg/g D.L. = 0.0012 mg/g D.L. = 0.0004 mg/g D.L. = 0.0009 mg/g D.L. = 0.0009 mg/g D.L. = 0.0022 mg/g D.L. = 0.0008 mg/g D.L. = 0.001 mg/g D.L. = 0.0003 mg/g D.L. = 0.0004 mg/g D.L. = 0.0009 mg/g D.L. = 0.0009 mg/g D.L. = 0.0014 mg/g D.L. = 0.0011 mg/g
		Heavy Metals Contamination Detection: Arsenic Cadmium Mercury Lead	QSP 5-4-4-3 (ICP-MS)	D.L. = 0.013 µg/g D.L. = 0.012 µg/g D.L. = 0.002 µg/g D.L. = 0.031 µg/g



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Chemical ^F	Cannabis Concentrates, Cannabis Plant Material, Cannabis Infused Products	Residual Solvents: 1,2-Dichloroethane Benzene Chloroform Ethylene oxide Dichloromethane Trichloroethylene Acetone Acetonitrile Butane Ethanol Ethyl acetate Ethyl ether Heptane Hexane Isopropyl alcohol Methanol Pentane Propane Toluene Total Xylenes (ortho-,meta-,para-)	QSP 5-4-4-13 (GC-MS/HS-20 Tandem)	D.L. = 0.111 µg/g D.L. = 0.043 µg/g D.L. = 0.064 µg/g D.L. = 0.136 µg/g D.L. = 0.172 µg/g D.L. = 0.120 µg/g D.L. = 14.703 µg/g D.L. = 2.727 µg/g D.L. = 5.672 µg/g D.L. = 11.775 µg/g D.L. = 16.227 µg/g D.L. = 11.608 µg/g D.L. = 12.982 µg/g D.L. = 1.816 µg/g D.L. = 15.358 µg/g D.L. = 15.584 µg/g D.L. = 12.355 µg/g D.L. = 1.359 µg/g D.L. = 7.174 µg/g D.L. = 34.438 µg/g
		Residual Pesticides: Quintozene Chlordane Chlorfenapyr	QSP 5-4-4-15 (GC-MS)	D.L. = 0.02 µg/g D.L. = 0.032 µg/g D.L. = 0.03 µg/g
		Residual Pesticides: Abamectin Acephate Acequinocyl Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Captan Carbaryl Carbofuran Chlorantraniliprole Chlorpyrifos Clofentezine Coumaphos Cyfluthrin Cypermethrin Daminozide Diazinon	QSP 5-4-4-14 (LC-MS)	D.L. = 0.03 µg/g D.L. = 0.013 µg/g D.L. = 0.01 µg/g D.L. = 0.013 µg/g D.L. = 0.03 µg/g D.L. = 0.015 µg/g D.L. = 0.012 µg/g D.L. = 0.013 µg/g D.L. = 0.008 µg/g D.L. = 0.099 µg/g D.L. = 0.014 µg/g D.L. = 0.029 µg/g D.L. = 0.02 µg/g D.L. = 0.029 µg/g D.L. = 0.009 µg/g D.L. = 0.029 µg/g D.L. = 0.099 µg/g D.L. = 0.03 µg/g D.L. = 0.03 µg/g D.L. = 0.009 µg/g D.L. = 0.029 µg/g



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Chemical ^F	Cannabis Concentrates, Cannabis Plant Material, Cannabis Infused Products	DDVP (Dichlorvos)	QSP 5-4-4-14 (LC-MS)	D.L. = 0.029 µg/g
		Dimethoate		D.L. = 0.029 µg/g
Dimethomorph	D.L. = 0.018 µg/g			
Ethoprophos	D.L. = 0.029 µg/g			
Etofenprox	D.L. = 0.029 µg/g			
Etoazole	D.L. = 0.007 µg/g			
Fenhexamid	D.L. = 0.015 µg/g			
Fenoxycarb	D.L. = 0.029 µg/g			
Fenpyroximate	D.L. = 0.012 µg/g			
Fipronil	D.L. = 0.029 µg/g			
Flonicamid	D.L. = 0.022 µg/g			
Fludioxonil	D.L. = 0.02 µg/g			
Hexythiazox	D.L. = 0.009 µg/g			
Imazalil	D.L. = 0.029 µg/g			
Imidacloprid	D.L. = 0.017 µg/g			
Kresoxim-methyl	D.L. = 0.01 µg/g			
Malathion	D.L. = 0.006 µg/g			
Metalaxyl	D.L. = 0.011 µg/g			
Methiocarb	D.L. = 0.029 µg/g			
Methomyl	D.L. = 0.022 µg/g			
Methyl Parathion	D.L. = 0.029 µg/g			
Mevinphos	D.L. = 0.029 µg/g			
Myclobutanil	D.L. = 0.015 µg/g			
Naled	D.L. = 0.01 µg/g			
Oxamyl	D.L. = 0.014 µg/g			
Paclobutrazol	D.L. = 0.029 µg/g			
Permethrin	D.L. = 0.027 µg/g			
Phosmet	D.L. = 0.01 µg/g			
Piperonylbutoxide	D.L. = 0.007 µg/g			
Prallethrin	D.L. = 0.011 µg/g			
Propiconazol	D.L. = 0.004 µg/g			
Propoxur	D.L. = 0.029 µg/g			
Pyrethrins	D.L. = 0.012 µg/g			
Pyridaben	D.L. = 0.007 µg/g			
Spinetoram	D.L. = 0.006 µg/g			
Spinosad	D.L. = 0.01 µg/g			
Spiromesifen	D.L. = 0.005 µg/g			
Spirotetramat	D.L. = 0.014 µg/g			
Spiroxamine	D.L. = 0.029 µg/g			
Tebucanazole	D.L. = 0.006 µg/g			
Thiacloprid	D.L. = 0.029 µg/g			
Thiamethoxam	D.L. = 0.011 µg/g			
Trifloxystrobin	D.L. = 0.007 µg/g			
	Mycotoxin Contamination:	QSP 5-4-4-14 (LC-MS)	D.L. = 0.006 µg/g	
	Total Aflatoxin (B1, B2, G1, G2) Ochratoxin A		D.L. = 0.006 µg/g	



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Chemical ^F	Cannabis Plant Material	Water Testing: Loss on Drying (Moisture Content)	QSP 5-4-4-17 (Gravimetric)	D.L. = 0.000 1 g
	Cannabis Concentrates, Cannabis Plant Material, Cannabis Infused Products	Water Testing: Water Activity	QSP 5-4-4-22 (Aqualab 4TE)	Pass/Fail
		Analysis of Foreign Material: (Including but not limited to) Sand, Soil, Cinders, Dirt, Mold, Rodent Hair Insects & Insect Fragments Excreta Embedded Foreign Material	QSP 5-4-4-24 (20x Illuminated Magnifier)	
Microbiological ^F		Bacterial contamination detection: Escherichia Coli, Salmonella, Aspergillus fumigatus A. flavus A. niger A. terreus	QSP 5-4-4-16 (qPCR)	Present/Absent

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.