



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

SC Laboratories California LLC
100 Pioneer St, Santa Cruz, CA 95060

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

ISO/IEC 17025:2017

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, Biological (Microbiological), and Non-Destructive 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:

May 12, 2017

Revision Date:

July 11, 2024

Issue Date:

August 16, 2023

Accreditation No

87168

Expiration Date:

August 31, 2025

Certificate No.:

L23-618-R1

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.pjilabs.com



Certificate of Accreditation: Supplement

SC Laboratories California LLC

100 Pioneer St, Santa Cruz, CA 95060

Contact Name: Mr. Cory Lewis Phone: 866-435-0709

Accreditation is granted to the facility to perform the following testing:

FLEX CODE	FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED
F1, F4	Chemical ^F	Cannabis Concentrates, Cannabis Plant Material, Cannabis Infused Products	Cannabinoid Testing: Δ^9 -THC Δ^8 -THC THCVa THCV THCa CBN CBL CBGa CBG CBDVa CBDV CBDa CBD CBCa CBC	QSP 1157	HPLC-DAD
F1, F4			Cannabis Concentrates: 9(R)-Hexahydrocannabinol (9R-HHC) 9(S)-Hexahydrocannabinol (9S-HHC) (6aR,9R)- Δ^{10} -THC (9R-D10-THC) (6aR,9S)- Δ^{10} -THC (9S-D10-THC) Δ^9 -THC Acetate (THC-Acetate) Exo-THC Δ^8 iso-THC (D8-iso-THC) Δ^8 -Tetrahydrocannabivarin (D8-THCV)	QSP (34181)	HPLC
F1, F4			Heavy Metals: Arsenic (As) Cadmium (Cd) Mercury (Hg) Lead (Pb)	QSP 1160	ICP-MS
F1, F4			Residual Solvents: 1,2-Dichloroethane Benzene Chloroform Ethylene oxide Dichloromethane Trichloroethylene Acetone Acetonitrile Butane Ethanol Ethyl acetate Ethyl ether Heptane Hexane Isopropyl alcohol Methanol	QSP 1204	GC-MS



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F1, F4	Chemical ^F	Cannabis Plant Material	Cannabinoid Testing: <u>Cannabis Plant Material</u> CBDa CBG CBD THCV CBN THC Δ8-THC CBC THCa	QSP 1157	HPLC-DAD
F1, F4		Cannabis Concentrates, Cannabis Plant Material, Cannabis Infused Products	Residual Solvents: Pentane Propane Toluene m-Xylene / p-Xylene o-Xylene	QSP 1204	GC-MS
F1, F4			Residual Pesticides: Quintozene Chlordane Chlorfenapyr	QSP 1213	
F1, F4			Residual Pesticides: Abamectin Acephate Acequinocyl Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Captan Carbaryl Carbofuran Chlorantraniliprole Chlorpyrifos Clofentezine Coumaphos Cyfluthrin Cypermethrin Daminozide Diazinon DDVP (Dichlorvos) Dimethoate Dimethomorph Ethoprophos Etofenprox	QSP 1212	LC-MS



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F1, F4	Chemical ^F	Cannabis Concentrates Cannabis Plant Material Cannabis Infused Products	Residual Pesticides: Etoxazole Fenhexamid Fenoxycarb Fenpyroximate Fipronil Flonicamid Fludioxonil Hexythiazox Imazalil Imidacloprid Kresoxim-methyl Malathion Metalaxyl Methiocarb Methomyl Methyl Parathion Mevinphos Myclobutanil Naled Oxamyl Paclobutrazol Permethrin Phosmet Piperonylbutoxide Prallethrin Propiconazol Propoxur Pyrethrins Pyridaben Spinetoram Spinosad Spiromesifen Spirotetramat Spiroxamine Tebucanazole Thiacloprid Thiamethoxam Trifloxystrobin	QSP 1212	LC-MS
F1, F4			Residual Pesticides: Chlorfenapyr Endosulfan-alpha Endosulfan-beta Etridiazole Quintozine cis-Chlordane trans-Chlordane	QSP 17028	GC-MS



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F1, F4	Chemical ^F	Cannabis Concentrates, Cannabis Plant Material, Cannabis Infused Products	Residual Pesticides: Abamectin Acephate Acequinocyl Acetamiprid Aldicarb Allethrin Atrazine Azadirachtin Azoxystrobin Benzovindiflupyr Bifenazate Bifenthrin Boscalid Buprofezin Captan Carbaryl Carbofuran Chlorantraniliprole Chloromequat chloride Chlorpyrifos Clofentezine Clothianidin Coumaphos Cyantraniliprole Cyfluthrin Cypermethrin Cyprodinil Daminozide Deltamethrin Diazinon Dichlorvos Dimethoate Dimethomorph E Dimethomorph Z Dinotefuran Diuron Dodemorph Endosulfan sulfate Ethoprophos Etofenprox Etoxazole Fenhexamid Fenoxycarb Fenpyroximate Fensulfothion Fenthion	QSP 17029	LC-MS



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F1, F4	Chemical ^F	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	Residual Pesticides: Fenvalerate Fipronil Flonicamid Fludioxonil Fluopyram Hexythiazox Imazalil Imidacloprid Iprodione Kinoprene Kresoxim-methyl λ-Cyhalothrin Malathion Metalaxyl Methiocarb Methomyl Methoprene Parathion-methyl Mevinphos MGK-264 Myclobutanil Naled Novaluron Oxamyl Paclobutrazol Permethrin cis Permethrin trans Phenothrin Phosmet Piperonyl butoxide Pirimicarb Prallethrin Propiconazole Propoxur Pyraclostrobin Pyrethrin I Pyrethrin II Pyridaben Pyriproxyfen Resmethrin Spinetoram J Spinetoram L Spinosyn A Spinosyn D Spirodiclofen Spiromesifen Spirotetramat	QSP 17029	LC-MS



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F1, F4	Chemical ^F	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	Residual Pesticides: Spiroxamine Tebuconazole Tebufenozide Teflubenzuron Tetrachlorvinphos Tetramethrin cis Tetramethrin trans Thiabendazole Thiacloprid Thiamethoxam Thiophanate-methyl Trifloxystrobin	QSP 17029	LC-MS	
F1, F4			Mycotoxin Contamination: Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Ochratoxin A			
F1, F4			Mycotoxin Contamination: Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Ochratoxin A			QSP 1212
F1, F4			Element Analysis: Boron (B) Lithium (Li) Selenium (Se) Titanium (Ti) Cobalt (Co) Copper (Cu) Chromium (Cr) Manganese (Mn) Nickel (Ni) Zinc (Zn) Sulfur (S) Tungsten (W) Silver (Ag) Molybdenum (Mo)			QSP 17065



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F1, F4	Chemical ^F	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	Terpenoid Testing: α-Pinene Camphene Sabinene β-Pinene β-Myrcene α-Phellandrene 3-Carene α-Terpinene p-Cymene D-Limonene Eucalyptol α-Ocimene β-Ocimene γ-Terpinene Sabinene Hydrate Fenchone Terpinolene Linalool Fenchol Isopulegol Camphor Isoborneol Borneol Menthol α-Terpineol γ-Terpineol Nerol Citronellol D-Pulegone Geraniol Geranyl Acetate α-Cedrene β-Caryophyllene trans-β-Farnesene α-Humulene Valencene cis-Nerolidol trans-Nerolidol Caryophyllene Oxide Guiaol Cedrol α-Bisabolol	QSP 1192	GC-FID



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F1, F4	Chemical ^F	Cannabis Concentrates, Cannabis Plant Material, Cannabis Infused Products	Residual Solvents: Propane 2-Methylpropane n-Butane Methanol Ethylene oxide 2-Methylbutane n-Pentane Ethanol Ethyl Ether Acetone 2,2-Dimethylbutane 2-Propanol Acetonitrile Dichloromethane 2,3-Dimethylbutane / 2-Methylpentane 3-Methylpentane n-Hexane Ethyl acetate 2-Butanol Tetrahydrofuran 2,2-Dimethylpropane Cyclohexane Benzene Isopropyl acetate n-Heptane 1,4-Dioxane 2-Ethoxyethanol Toluene Ethylene glycol Ethylbenzene m-Xylene / p-Xylene o-Xylene Cumene 1-Propanol 2-Butanone 1,2-Dimethoxyethane 1-Butanol Pyridine 1-Pentanol N,N-Dimethylformamide Dimethyl sulfoxide N,N-Dimethylacetamide Sulfolane	QSP 19949	GC-MS



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F1, F4	Chemical ^F	Cannabis Concentrates, Cannabis Plant Material, Cannabis Infused Products	Residual Solvents: 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene Chloroform Trichloroethylene 1,2-Dichloroethane 2,2-Dimethylpentane 2,3-Dimethylpentane 2,4-Dimethylpentane 3,3-Dimethylpentane 2,2,3-Trimethylbutane 2-Methylhexane 3-Methylhexane 3-Ethylpentane Cycloheptane	QSP 19949	GC-MS
F1, F4		Cannabis Plant Material	Water Testing: Loss on Drying (Moisture Content)	QSP 1224	Moisture Balance
F1, F4		Cannabis Concentrates, Cannabis Plant Material, Cannabis Infused Products	Water Testing: Water Activity	QSP 1227	Water Activity Meter
F1, F4		Cannabis Plant Material	Moisture Content: Moisture Content		
F1, F4		Cannabis Concentrates	Additives Analysis: α-Tocopherol β-Tocopherol / γ-Tocopherol δ-Tocopherol Tocopheryl Acetate	QSP 6793	HPLC-DAD
F1, F4		Grape		Smoke Taint Contamination: Syringol Gentiobioside Phenol Rutinoside Guaiacol Rutinoside 4-Methyl-Syringol Gentiobioside p-Cresol Rutinoside 4-Methyl-Guaiacol Rutinoside	QSP (23225) Bound Smoke Taint
F1, F4				Smoke Taint Contamination: Syringol Gentiobioside Phenol Rutinoside Guaiacol Rutinoside 4-Methyl-Syringol Gentiobioside p-Cresol Rutinoside 4-Methyl-Guaiacol Rutinoside	



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F1, F4	Chemical ^F	Grape Juice	Smoke Taint Contamination: Syringol Gentiobioside Phenol Rutinoside Guaiacol Rutinoside 4-Methyl-Syringol Gentiobioside p-Cresol Rutinoside 4-Methyl-Guaiacol Rutinoside	QSP (23225) B	HPLC-DAD
F1, F4			Smoke Taint Contamination: Syringol Gentiobioside Phenol Rutinoside Guaiacol Rutinoside 4-Methyl-Syringol Gentiobioside p-Cresol Rutinoside 4-Methyl-Guaiacol Rutinoside		
F1, F4		Wine	Smoke Taint Contamination: Syringol Gentiobioside Phenol Rutinoside Guaiacol Rutinoside 4-Methyl-Syringol Gentiobioside p-Cresol Rutinoside 4-Methyl-Guaiacol Rutinoside		
F1, F4			Smoke Taint Contamination: Syringol Gentiobioside Phenol Rutinoside Guaiacol Rutinoside 4-Methyl-Syringol Gentiobioside p-Cresol Rutinoside 4-Methyl-Guaiacol Rutinoside		
F1, F4	Biological ^F (Microbiological)	Cannabis Concentrates, Cannabis Plant Material, Cannabis Infused Products	Microbiological Contamination Detections: <i>Escherichia coli</i> <i>Salmonella</i> spp. <i>Aspergillus fumigatus</i> <i>Aspergillus flavus</i> <i>Aspergillus niger</i> <i>Aspergillus terreus</i> <i>Yersinia</i> spp. <i>Candida albicans</i> <i>Pseudomonas</i> <i>aeruginosa</i> <i>Staphylococcus aureus</i> <i>Campylobacter</i> <i>Listeria monocytogenes</i> <i>Clostridium botulinum</i> Bile-Tolerant Gram-Negative Bacteria	QSP 1221	qPCR



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F1, F4	Biological ^F (Microbiological)	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	Microbiological Contamination Detections: <i>Staphylococcus</i> <i>Coliforms</i> <i>Escherichia coli</i> Total Aerobic Bacteria Total Yeast and Mold Total <i>Enterobacteriaceae</i> <i>Salmonella spp.</i>	QSP 6794	Plating
F1, F4	Non-Destructive ^F		Analysis of Foreign Material: (Including but not limited to) Sand, Soil, Cinders, Dirt, Mold, Hair, Insects & Insect Fragments, Excreta, Embedded Foreign Material	QSP 1226	Visual
F1, F4			Density Determination: Solids / Semi-solids Liquids	QSP 7870	By Weight – Balance
NA	Sampling ^F		Sampling of Cannabis Harvest and Product Batches for Regulatory Compliance Testing	QSP 1265	N/A

- The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.
- Flex Code:
 F1-Introduction of the testing of a new item, material, matrix, or product for an accredited test method
 F2-Introduction of a new version of an accredited standard method (with no modifications)
 F3-Introduction of a new parameter/component/analyte to an accredited test method
 F4-Introduction of a new version or modifications of an accredited non-standard method
 F5-Introduction of a new method that is equivalent to an accredited method (using same technology or technique)