



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

PharmLabs, LLC

3421 Hancock Street 2nd Floor, San Diego, CA 92107

(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 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:

August 3, 2015

Issue Date:

October 8, 2021

Expiration Date:

December 31, 2023

Accreditation No.:

85368

Certificate No.:

L21-599

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

PharmLabs, LLC

3421 Hancock Street 2nd Floor, San Diego, CA 92107

Contact Name: Greg Magdoff Phone: 619-356-0898

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 Flower Cannabis Concentrate Cannabis Extracts Cannabis Infused Products (MIPs) Hemp	Cannabinoids: CBD CBDA D9-THC THCA CBG CBN D8-THC CBGA CBL CBC THCV CBDV	HPLC, SOP-001, SOP-036	D.L. = 0.001 %
		Terpenoids: a-Pinene Camphene Myrcene b-Pinene 3-Carene a-Terpinene a-Ocimene b-Ocimene Limonene p-Cymene Eucalyptol g-Terpinene Terpenolene Linalool Isopulegol Geraniol b-Caryophyllene Humulene Cis-Nerolidol Trans-Neridiol Guaiol Caryophyllene Oxide a-bisabolol	GC/FID, SOP-002	D.L. = 0.1 mg/g



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Chemical ^F	Cannabis Flower, Cannabis Concentrate, Cannabis Extracts, Cannabis Infused Products (MIPs) Hemp	Heavy Metals: Arsenic Cadmium Mercury Lead	ICP-MS SOP-005	D.L. = 0.003 µg/g D.L. = 0.002 µg/g D.L. = 0.02 µg/g D.L. = 0.002 µg/g
		Mycotoxin: Aflatoxin Ochratoxin	LC-MS/MS SOP-004	5 µg/kg
		Residual Solvents: Acetone Ethanol Ethyl acetate Xylenes (o-, p-, m-) Benzene Toluene Butane Ethylene Oxide Acetonitrile Chloroform 1,2-Dichloroethane Trichloroethylene n-Heptane n-Pentane Propane Ethyl Ether Methylene Chloride Methanol butane Hexanes 2-Propanol (Isopropanol, Isopropyl alcohol)	GC/FID with Headspace Analyzer, SOP-006	D.L. = 0.4 µg/g
		Moisture	SOP-009	Loss on weight



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Chemical ^F	Cannabis - Flowers, Concentrates, Extracts, Infused Products, & Hemp	Pesticides: Organophosphates Neonicotinoids Pyrethroids Carbamates Organochlorines Aldicarb Carbofuran Chlordane Chlorfenapyr Chlorpyrifos Coumaphos Daminozide DDVP (Dichlorvos) Dimethoate Ethoprop(hos) Etofenprox Fenoxycarb Fipronil Imazalil Methiocarb Methyl parathion Mevinphos Paclobutrazol Propoxur Spiroxamine Thiachloprid Abamectin Acephate Acequinocyl Acetamiprid Azoxystrobin Bifenazate Bifenthrin Boscalid Captan Carbaryl Chlorantraniliprole Clofentezine Cyfluthrin Cypermethrin Diazinon Dimethomorph Etoxazole Fenhexamid Fenpyroximate Flonicamid	LC-MS/MS GC-MS/MS SOP-003	D.L. = 0.05 µg/g



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Chemical ^F	Cannabis - Flowers, Concentrates, Extracts, Infused Products & Hemp	Pesticides: Fludioxonil Hexythiazox Imidacloprid Kresoxim-methyl Malathion Metalaxyl Methomyl Myclobutanil Naled Oxamyl Pentachloronitrobenzene Permethrin Phosmet Piperonylbutoxide Prallethrin Propiconazole Pyrethrins Pyridaben Spinetoram Spinosad Spiromesifen Spirotetramat Tebuconazole Thiamethoxam Trifloxystrobin	LC-MS/MS GC-MS/MS SOP-003	D.L. = 0.05 µg/g
Biological ^F	Cannabis Flower, Cannabis Concentrate, Cannabis Extracts, Cannabis Infused Products (MIPs) Hemp	Bacterial contamination detection: Salmonella E. coli STEC Aspergillus Flavus Aspergillus Fumigatus Aspergillus Niger Aspergillus Terreus	Plating SOP-007	Presence/Absence, 1 CFU/g
Non-Destructive Testing ^F	Cannabis, Cannabis Products, & Hemp	Filth and Foreign Matter	SOP-010	Presence/Absence
	Cannabis and Hemp flower	Moisture	AquaLab 4TE Duo water activity meter SOP-008	0 % to 100 %
	Cannabis flower, cannabis products, hemp	Water activity	AquaLab 4TE Duo water activity meter SOP-008	0.03 a_w to 1 a_w

- 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.