



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Encore Labs

75 N. Vinedo Ave., Pasadena, CA, 91107

(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, 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/Operations Manager

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

September 4, 2019

Issue Date:

September 4, 2019

Expiration Date:

December 31, 2021

Accreditation No.:

101411

Certificate No.:

L19-419

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

Encore Labs

75 N. Vinedo Ave., Pasadena, CA, 91107
 Contact Name: Evelyn Alvarez Phone: 626-598-3701

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 and Cannabis Goods	Cannabinoids: CBDA CBGA CBG CBD THCV CBN D9 THC D8 THC THCA CBC	EL-CANNABINOIDS (LC-DAD)	D.L. = 0.053 1 ppm D.L. = 0.053 4 ppm D.L. = 0.020 5 ppm D.L. = 0.014 3 ppm D.L. = 0.043 4 ppm D.L. = 0.014 3 ppm D.L. = 0.036 1 ppm D.L. = 0.063 6 ppm D.L. = 0.062 7 ppm D.L. = 0.030 8 ppm
		Heavy Metals: Arsenic Cadmium Lead Mercury	EL-HEAVYMETALS (ICP-MS)	D.L. = 0.019 9 ppm D.L. = 0.018 6 ppm D.L. = 0.051 3 ppm D.L. = 0.011 5 ppm
		Mycotoxins: Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Ochratoxin A	EL-PESTICIDESLCMS (LC-MS-MS)	D.L. = 1 ppb D.L. = 1 ppb D.L. = 2 ppb D.L. = 1 ppb D.L. = 4 ppb
		Pesticides: Abamectin Acephate Acequinocyl Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Captan Carbaryl Carbofuran Chlorantraniliprole Chlordane Chlorfenapyr Chlorpyrifos Clofentezine Coumaphos Cyfluthrin Cypermethrin Daminozide DDVP (Dichlorvos) Diazinon		D.L. = 5 ppb D.L. = 2 ppb D.L. = 5 ppb D.L. = 5 ppb D.L. = 50 ppb D.L. = 5 ppb D.L. = 5 ppb D.L. = 5 ppb D.L. = 20 ppb D.L. = 50 ppb D.L. = 20 ppb D.L. = 50 ppb D.L. = 50 ppb D.L. = 2 ppb D.L. = 50 ppb D.L. = 50 ppb D.L. = 50 ppb D.L. = 10 ppb D.L. = 20 ppb D.L. = 20 ppb D.L. = 50 ppb D.L. = 50 ppb D.L. = 20 ppb D.L. = 20 ppb D.L. = 2 ppb



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Chemical ^F	Cannabis and Cannabis Goods	Pesticides: Dimethoate Dimethomorph Ethoprophos Etofenprox Etoxazole Fenhexamid Fenoxycarb Fenpyroximate Fipronil Flonicamid Fludioxonil Hexythiazox Imazalil Imidacloprid Kresoxim methyl Malathion Metalaxyl Methiocarb Methomyl Methyl-Parathion Mevinphos Myclobutanil Naled Oxamyl Paclobutrazol Pentachloronitrobenzene Permethrin Phosmet Piperonyl butoxide Prallethrin Propiconazole Propoxur Pyrethrins Pyridaben Spinetoram Spinosad Spiromesifen Spirotetramat Spiroxamine Tebuconazole Thiacloprid Thiamethoxam Trifloxystrobin	EL-PESTICIDESLCMS (LC-MS-MS)	D.L. = 20 ppb D.L. = 5 ppb D.L. = 50 ppb D.L. = 50 ppb D.L. = 5 ppb D.L. = 5 ppb D.L. = 50 ppb D.L. = 5 ppb D.L. = 50 ppb D.L. = 10 ppb D.L. = 10 ppb D.L. = 5 ppb D.L. = 50 ppb D.L. = 5 ppb D.L. = 5 ppb D.L. = 20 ppb D.L. = 2 ppb D.L. = 50 ppb D.L. = 10 ppb D.L. = 50 ppb D.L. = 20 ppb D.L. = 5 ppb D.L. = 10 ppb D.L. = 5 ppb D.L. = 50 ppb D.L. = 10 ppb D.L. = 20 ppb D.L. = 10 ppb D.L. = 2 ppb D.L. = 5 ppb D.L. = 5 ppb D.L. = 50 ppb D.L. = 20 ppb D.L. = 5 ppb D.L. = 5 ppb D.L. = 5 ppb D.L. = 10 ppb D.L. = 5 ppb D.L. = 50 ppb D.L. = 5 ppb D.L. = 20 ppb D.L. = 5 ppb D.L. = 5 ppb



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Chemical ^F	Cannabis and Cannabis Goods	Residual Solvents: Propane Butane Methanol Ethylene oxide Pentane Ethanol Ethyl Ether Acetone Isopropanol Acetonitrile Methylene Chloride Hexane Ethyl Acetate Chloroform Benzene Heptane 1,2-dichloroethane Trichloroethene Toluene m,p-Xylenes o-Xylene	EL-RES_SOLVENTS (GCMS Headspace)	D.L. = 0.08 µg D.L. = 0.20 µg D.L. = 7.48 µg D.L. = 0.08 µg D.L. = 0.67 µg D.L. = 0.79 µg D.L. = 0.12 µg D.L. = 1.89 µg D.L. = 2.29 µg D.L. = 4.74 µg D.L. = 0.10 µg D.L. = 0.07 µg D.L. = 0.15 µg D.L. = 0.10 µg D.L. = 0.09 µg D.L. = 0.10 µg D.L. = 0.10 µg D.L. = 0.10 µg D.L. = 0.18 µg D.L. = 0.13 µg
		Terpenes: alpha-Pinene Camphene beta-Pinene beta-Myrcene delta-3-Carene alpha-Terpinene d-Limonene Eucalyptol Ocimene gamma-Terpinene Terpinolene Linalool Isopulegol Geraniol beta-Caryophyllene alpha-Humulene cis-Nerolidol trans-Nerolidol Guaiol Alpha-Bisabolol	EL-TERPENES (GCMS)	D.L. = 0.055 ppm D.L. = 0.057 ppm D.L. = 0.058 ppm D.L. = 0.077 ppm D.L. = 0.053 ppm D.L. = 0.075 ppm D.L. = 0.079 ppm D.L. = 0.085 ppm D.L. = 0.077 ppm D.L. = 0.081 ppm D.L. = 0.074 ppm D.L. = 0.10 ppm D.L. = 0.12 ppm D.L. = 0.066 ppm D.L. = 0.13 ppm D.L. = 0.096 ppm D.L. = 0.016 ppm D.L. = 0.034 ppm D.L. = 0.095 ppm D.L. = 0.11 ppm



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Chemical ^F	Cannabis and Cannabis Goods	Moisture Content	EL-WATER (moisture analyzer)	D.L. = 1 %
		Water Activity	EL-WATER (Water activity probe)	0.005 aw to 0.95 aw
Microbiological ^F	Cannabis and Cannabis Goods	Microbials: Salmonella E. Coli/STEC Aspergillus terreus Aspergillus niger Aspergillus fumigatus Aspergillus flavus	EL-MICROBIALS (qPCR)	Presence/Absence
Non-Destructive ^F		Contaminants (Foreign Matter)	EL-FOREIGN	Qualitative (visual inspection)

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.

