PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

pH Solutions, LLC

181 West Huntington Drive, Suite 106, Monrovia, CA 91016

and hereby declares that the Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Biological, Chemical, and Non-Destructive Testing

(As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Tracy Szerszen
President

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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
June 04, 2018	December 19, 2025	March 31, 2028

Accreditation No.:	*Certificate No.:*
84351	L25-979

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.pjlabs.com

Certificate of Accreditation: Supplement

pH Solutions, LLC

181 West Huntington Drive, Suite 106, Monrovia, CA 91016
Contact Name: Matt Garay Phone: 818-808-9757

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED	FLEX CODE	LOCATION OF ACTIVITY
Chemical	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	**Cannabinoids**: CBC, CBD, CBDA, CBG, CBGA, CBN, delta8-THC, delta9-THC, delta9-THCA, THCV, THCVA, CBDV, CBDVA	SOP 6.00	HPLC	F1, F4	F
Chemical	Cannabis Flower and Non-infused pre-rolls	**Cannabinoids**: CBDA, CBD, CBG, CBN, D9-THC, THCV, D8-THC, CBC, THCA	SOP 6.12 (Based on official DCC flower & non-infused pre-roll potency method)	HPLC	F1, F4	F
Chemical	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	**Heavy Metals:** Arsenic (As), Cadmium (Cd), Lead (Pb), Mercury (Hg)	SOP 6.06	ICP-MS	F1, F4	F

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Chemical	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	**Mycotoxins:** Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2, Ochratoxin	SOP 6.03, SOP 6.04, SOP 6.031, SOP 6.041	LC-MS/MS	F1, F4	F
Chemical	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	**Pesticides:** Acephate, Acequinocyl, Acetamiprid, Aldicarb, Avermectin, Azoxystrobin, Bifenazate, Bifenthrin, Boscalid, Carbaryl, Captan, Carbofuran, Chlordane, Chlorantraniliprole, Chlorefenapyr, Chlorpyrifos, Clofentezine, Coumaphos, Cyfluthrin, Cypermethrin, Daminozide, Diazinon, Dichlorvos, Dimethoate, Dimethomorph,	SOP 6.03, SOP 6.04, SOP 6.031, SOP 6.041	LC-MS/MS	F1, F4	F

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Chemical	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	**Pesticides:** Ethoprophos, Etofenprox, Etoxazole, Fenhexamid, Fenoxycarb, Fenpyroximate, Fipronil, Flonicamid, Fludioxonil, Hexythiazox, Imazalil, Imidacloprid, Kresoxim-methyl, Malathion, Metalaxyl, Methiocarb, Methomyl, Mevinphos, Myclobutanil, Naled, Oxamyl, Paclobutrazol, Parathion methyl, PCNB, Permethrins, Phosmet, Piperonyl Butoxide, Prallethrin, Propiconazole, Propoxure, Pyrethrins,	SOP 6.03, SOP 6.04, SOP 6.031, SOP 6.041	LC-MS/MS	F1, F4	F

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Chemical	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	**Pesticides:** Pyridaben, Spinetoram, Spinosyn A/D, Spiromesifen, Spirotetramat, Spiroxamine, Tebuconazole, Thiacloprid, Thiamethoxam, Trifloxystrobin	SOP 6.03, SOP 6.04, SOP 6.031, SOP 6.041	LC-MS/MS	F1, F4	F
Chemical	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	**Residual Solvents:** 1,2-Dichloroethane, Acetone, Acetonitrile, Benzene, Butane, Chloroform, Ethanol, Ethyl Acetate, Ethyl Ether, Ethylene Oxide, Heptane, Isopropyl Alcohol, m,p-Xylene, Methanol, Methylene-Chloride, n-Hexane, o-Xylene, Pentane,	SOP 6.01	GC-MS	F1, F4	F

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Chemical	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	**Residual Solvents:** Propane, Toluene, Trichloroethylene	SOP 6.01	GC-MS	F1, F4	F
Chemical	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	**Terpenes:** 1,8-Cineole, alpha-Bisalbolol, alpha-Humulene, alpha-Terpinene, alpha-Pinene, beta-Caryophyllene, beta-Myrcene, beta-Pinene, Camphene, Camphor, delta-3-Carene, D-Limonene, E-Nerolidol, gamma-Terpinene, Geraniol, Guialol, Isopulegol, Linalool, p-Cymene, Terpinolene, Z-beta-Ocimene, Z-Nerolidol	SOP 6.02	GC-FID	F1, F4	F
Chemical	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	Water Activity Moisture Content (% Moisture)	SOP 6.07	Water Activity Probe Moisture Balance	F1, F4	F

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Chemical	Cannabis Concentrates, Cannabis Infused Products	Vitamin E Acetate	SOP 7.02	HPLC	F1, F4	F
Biological	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	*Aspergillus* spp. *Escherichia coli* *Salmonella* spp.	SOP 6.05	PCR	F1, F4	F
Biological	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	Yeast/Mold	SOP 6.05	Plating	F1, F4	F
Biological	Cannabis Plant Material	Hop Latent Viroid	SOP 6.11	PCR	F1, F4	F
Biological	Cannabis Plant Material	Gender Determination	SOP 6.10	PCR	F1, F4	F
Non-Destructive	Cannabis Plant Material, Cannabis Concentrates, Cannabis Infused Products	Foreign Material Identification	SOP 2.02	Visual Inspection and Microscopy	F1, F4	F

1. Location of activity:

Location	Location
F	Conformity assessment activity is performed at the CABs fixed facility

2. Flex Code:
F0- Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification.
F1- Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
F2- Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
F3- Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
F4- Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
F5- Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope