



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

pH SOLUTIONS, LLC
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CHEMICAL

Valid To: October 31, 2023

Certificate Number: 4806.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with A2LA's *R243 - Specific Requirements - Cannabis Testing Laboratory Accreditation Program*, containing the ASA (Americans for Safe Access) Laboratory Requirements which is derived from the *2016 AHPA (American Herbal Products Association) Recommendations for Regulators – Cannabis Operations*)¹, accreditation is granted to this laboratory to perform the following tests on cannabis and cannabis infused products:

<u>Test(s)/Technology(ies)</u>	<u>Test Method(s)</u>
Cannabinoids in Cannabis (HPLC): CBC CBD CBDA CBG CBGA CBN delta8-THC delta9-THC delta9-THCA THCV THCVA CBDV CBDVA	SOP 6.00
Metals in Liquids and Solids (ICP-MS): Arsenic (As) Cadmium (Cd) Lead (Pb) Mercury (Hg)	SOP 6.06
Moisture Content (Moisture Balance)	SOP 6.07
Mycotoxins (LC-MS/MS): Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	SOP 6.03 SOP 6.04

<u>Test(s)/Technology(ies)</u>	<u>Test Method(s)</u>
Ochratoxin	
Pesticides (LC-MS/MS): 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 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	SOP 6.03 SOP 6.04

Test(s)/Technology(ies)	Test Method(s)
PCNB Permethrins Phosmet Piperonyl methyl Prallethrin Propiconazole Propoxure Pyrethrins Cinerin Pyridaben Spinetoram Spinosyn A/D Spiromesifen Spirotetramat Spiroxamine Tebuconazole Thiacloprid Thiamethoxam Trifloxystrobin	
Residual Solvents (Headspace GC-MS) 1,2-Dichloroethane Acetone Acetonitrile Benzene Butane Chloroform Ethanol Ethyl Acetate Ethyl Ether Ethylene Oxide Heptane Isopropyl Alcohol m,p-Xylene Methanol Methylenechloride n-Hexane o-Xylene Pentane Propane Toluene Trichloroethylene	SOP 6.01
Terpenes (GC-FID): 1,8-Cineole alpha-Bisabolol alpha-Humulene alpha-Terpinolene beta-Caryophyllene beta-Myrcene beta-Pinene Camphene	SOP 6.02



<u>Test(s)/Technology(ies)</u>	<u>Test Method(s)</u>
Camphor delta-3-Carene D-Limonene E-Nerolidol gamma-Terpinene Geraniol Guaiol Isopulegol Linalool p-Cymene Terpinolene Z-beta-Ocimene Z-Nerolidol	
Water Activity (Moisture Meter)	SOP 6.07
pH Evaluation for Stability	SOP 6.00.02
Vitamin E Acetate	SOP 7.02

BIOLOGICAL

<u>Test(s)/Technology(ies)</u>	<u>Method(s)</u>
<i>Aspergillus</i> spp. (PCR)	SOP 6.05
<i>Escherichia coli</i> (PCR)	SOP 6.05
Foreign Material Identification (Visual Inspection and Microscopy)	SOP 2.02
<i>Salmonella</i> spp. (PCR)	SOP 6.05
Yeast/Mold (PCR)	SOP 6.05

¹Accreditation does not imply acceptance to the ASA PFC program. Please see the ASA website (<https://safeaccess2.org/patientfocusedcertification/companies/>) for a listing of ASA PFC certified laboratories.



Accredited Laboratory

A2LA has accredited

pH SOLUTIONS, LLC

Monrovia, CA

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of A2LA R243 – *Specific Requirements – Cannabis Testing Laboratory Accreditation Program*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 10th day of November 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4806.01
Valid to October 31, 2023
Revised November 28, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.