



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

GREEN LEAF LAB
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CHEMICAL

Valid To: November 30, 2021

Certificate Number: 5418.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on cannabis, cannabis-infused products, cannabis extracts and concentrates, and industrial hemp:

<u>Test</u>	<u>Test Method / Technology(ies)</u>
<u>Cannabinoid Content</u> Cannabidiol (CBD) Cannabidiolic acid (CBDA) Delta-9-tetrahydrocannabidiol (D9-THC) Tetrahydro-cannabidiol acid (THCA) Cannabigerol (CBG) Cannabigerolic acid (CBGA) Delta-8-tetrahydrocannabidiol (D8-THC) Tetrahydro-cannabivarin (THCV) Tetrahydrocannabivarinic acid (THCVA) Cannabidivarin (CBDV) Cannabidivarinic acid (CBDVA) Exo-THC (D10-THC) Cannabichromene (CBC) Cannabinol (CBN)	SOP 215 by HPLC-DAD
Moisture (Percent Moisture)	SOP 103 by Moisture Analyzer
<u>Pesticide Analysis</u> Abamectin Acephate Acequinocyl Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl	SOP 203 by LC-MSMS & GC-MSMS

<u>Test</u>	<u>Test Method / Technology(ies)</u>
<u>Pesticide Analysis (continued)</u> Carbofuran Chlorantraniliprole Chlorfenapyr Chlorpyrifos Cyfluthrin Cypermethrin Clofentezine Daminozide DDVP Diazinon Dimethoate Ethoprophos Etofenprox Etoxazole Fenoxycarb Fenpyroximate Fipronil Flonicamid Fludioxonil Hexythiazox Imazalil Imidacloprid Kresoxim-methyl Malathion Metalaxyl Methiocarb Methomyl Methyl-parathion MGK-264 Myclobutanil Naled Oxamyl Paclobutrazol Permethrins1 Phosmet Piperonyl butoxide Prallethrin Propiconazole Propoxur Pyrethrins2 Pyridaben Spinosad Spiromesifen Spirotetramat Spiroxamine Tebuconazole Thiacloprid	



<u>Test</u>	<u>Test Method / Technology(ies)</u>
<u>Pesticide Analysis (continued)</u> Thiamethoxam Trifloxystrobin	
<u>Residual Solvent Analysis</u> 1,4-Dioxane 2-Butanol 2-Ethoxyethanol 2-Propanol (IPA) Acetone Acetonitrile Benzene Butanes Cumene Cyclohexane Dichloromethane Ethyl acetate Ethyl ether Ethylene glycol Ethylene Oxide Heptane Hexanes Isopropyl acetate Methanol Pentanes Propane Tetrahydrofuran Toluene Xylenes	SOP 205 by Headspace GC-MS
<u>Terpene Analysis</u> (+)-3-carene (-)- α -bisabol α -cedrene α -terpinene α -terpinolene α -phellandrene α -humulene α -pinene β -pinene borneol β -carophyllene camphene caryophyllene oxide camphor cedrol cis-nerolidol Hexahydrothynol	SOP 204 by GC-MS



<u>Test</u>	<u>Test Method / Technology(ies)</u>
<u>Terpene Analysis (continued)</u> farnesene, mixture of isomers (+)-fenchol (-)-fenchone g-terpinene geraniol Eucalyptol (-)-guaiol geranyl acetate (-)-isopulegol isoborneol linalool Ocimene (+)-limonene p-Mentha-1,5-diene trans-caryophyllene myrcene nerol R-(+)-pulegone sabinene sabinene hydrate trans-nerolidol terpineol, mixed isomers valencene	
Water Activity (Aw)	SOP 102 by Water Activity Meter

SAMPLING

<u>Sampling</u>	<u>Sampling Method(s)</u>
Compliance Sampling of Industrial Hemp and Usable Marijuana	SOP 401, SOP 402
Compliance Sampling of Cannabinoid Concentrates, Extracts, and Products	SOP 401, SOP 403





Accredited Laboratory

A2LA has accredited

GREEN LEAF LAB

Portland, OR

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 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 25th day of November 2019.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5418.02
Valid to November 30, 2021

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