



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

BOTANACOR LABORATORIES, LLC  
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Denver, CO 80223  
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CHEMICAL

Valid To: September 30, 2022

Certificate Number: 4329.02

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with the A2LA Food Testing Program Requirements, containing the 2018 "AOAC International Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food, Dietary Supplements, and Pharmaceuticals"), accreditation is granted to this laboratory to perform the following tests on cannabis (hemp) plant material and flower, concentrate, topical, and edible products:

<u>Test Method</u>	<u>Reference</u>	<u>Test Description</u>
TM04, TM23	In-House Method	Residual Solvent Determination (GC-HS-MSD) Acetone, Benzene, Butanes, Ethanol, Ethyl Acetate, Heptanes, Hexane, Isopropyl Alcohol, Methanol, Pentane, Propane, Toluene, Xylenes
TM10, TM22	In-House Method	Terpene Determination (GC-MSD) (-)- $\alpha$ -Bisabolol, $\alpha$ -Humulene, $\alpha$ -Pinene, $\alpha$ -Terpinene, $\beta$ -Caryophyllene, $\beta$ -Myrcene, $\beta$ -Ocimene, (-)- $\beta$ -Pinene, Camphene, (-)-Caryophyllene Oxide, cis-Nerolidol, $\Delta$ -3-Carene, d-Limonene, Eucalyptol, Geraniol, (-)-Isopulegol, Linalool, Ocimene, p-Cymene, Terpinolene, $\gamma$ -Terpinene, trans-Nerolidol
TM14	In-House Method	Extended Cannabinoid Potency Determination (HPLC-UV DAD) CBC, CBCA, CBD, CBDA, CBDV, CBDVA, CBG, CBGA, CBN, CBNA, Delta-8-THC, Delta-9-THC, THCA, THCV, THCVA
TM15, TM18	In-House Method	Mycotoxin Contamination Determination in Flower, Plant Material, and Concentrates (HPLC-QQQ) Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2, Ochratoxin A

<b><u>Test Method</u></b>	<b><u>Reference</u></b>	<b><u>Test Description</u></b>
TM16	In-House Method	Expanded Panel Pesticide Contamination Determination in Flower and Plant Material (HPLC-QQQ) Acephate, Abamectin, Acetamiprid, Azoxystrobin, Bifenazate, Boscalid, Carbaryl, Carbofuran, Chlorantraniliprole, Chlorpyrifos, Clofentezine, Diazinon, Dichlorvos, Dimethoate, E-Fenpytoximate, Etoxazole, Fenoxycarb, Fipronil, Flonicamid, Fludioxonil, Hexythiazox, Imazalil, Imidacloprid, Kresoxim-methyl, Malathion, Metalaxyl, Methiocarb, Methomyl, MGK 264 1, MGK 264 2, Myclobutanil, Naled, Oxamyl, Pacllobutrazol, Permethrin, Phosmet, Prophos, Propoxur, Pyridaben, Spinosad A, Spinosad D, Spiromesifen, Spirotetramat, Spiroxamine 1, Spiroxamine 2, Tebuconazole, Thiacloprid, Thiamethoxam, Trifloxystrobin
TM17	In-House Method	Expanded Panel Pesticide Contamination Determination in Concentrates and Oil Based Products (HPLC-QQQ) Acephate, Abamectin, Acetamiprid, Azoxystrobin, Bifenazate, Boscalid, Carbaryl, Carbofuran, Chlorantraniliprole, Chlorpyrifos, Clofentezine, Diazinon, Dichlorvos, Dimethoate, E-Fenpytoximate, Etoxazole, Fenoxycarb, Fipronil, Flonicamid, Fludioxonil, Hexythiazox, Imazalil, Imidacloprid, Kresoxim-methyl, Malathion, Metalaxyl, Methiocarb, Methomyl, MGK 264 1, MGK 264 2, Myclobutanil, Naled, Oxamyl, Pacllobutrazol, Permethrin, Phosmet, Prophos, Propoxur, Pyridaben, Spinosad A, Spinosad D, Spiromesifen, Spirotetramat, Spiroxamine 1, Spiroxamine 2, Tebuconazole, Thiacloprid, Thiamethoxam, Trifloxystrobin
TM19	In-House Method	Heavy Metals Determination (ICP-MS) Arsenic, Cadmium, Lead, Mercury
TM20	In-House Method	Trace Delta-9-THC and THCA (HPLC-UV DAD) Delta-9-THC, Delta-9 THCA
TM21	In-House Method	Water Determination in Flower and Plant Material (Karl Fisher)
TM29	In-House Method	Water Activity in Cannabis Flower, Concentrates, and Edibles (Chilled Mirror Dew Point)
TM31	In-House Method	Dry Weight Cannabinoid Potency Determination in Flower and Plant Material (Karl Fischer, HPLC-UV DAD)



## Accredited Laboratory

A2LA has accredited

### **BOTANACOR LABORATORIES, LLC**

Denver, CO

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 R204 – *Specific Requirements – Food and Pharmaceutical 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 30<sup>th</sup> day of November 2020.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 4329.02  
Valid to September 30, 2022

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