Accredited Laboratory

A2LA has accredited

GREEN ANALYTICS VIRGINIA, LLC

Ashland, VA

for technical competence in the field of

Chemical Testing

This 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 20th day of January 2023.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5748.01
Valid to October 31, 2024

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

GREEN ANALYTICS VIRGINIA, LLC
10338 Stony Run Lane
Ashland, VA 23005
Rebecca Hobden Phone: 540-682-3765

CHEMICAL

Valid To: October 31, 2024 Certificate Number: 5748.01

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

Test(s)/Technology(ies)	Test Method(s)
Cannabinoid Potency by HPLC CBC CBD CBDA CBG CBGA CBN Delta-8-THC Delta-9-THC Delta-9-THCA THCV Total CBD Total THC	SOP-VA 1149-Cannabinoid Potency (Doc ID 1149)
Heavy Metals by ICP-MS Arsenic, As Cadmium, Cd Lead, Pb Mercury, Hg	SOP-VA 1165 Trace Heavy Metals for Plants & Products (Doc ID 1165)
Residual Solvents by GC-MS 1,2-Dichloroethane 2-Propanol (IPA) Acetone Acetonitrile Benzene Chloroform Cyclohexane Ethanol Ethyl Acetate Methanol	SOP-VA 1301-Residual Solvents Analysis (Doc ID 1501)

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Test(s)/Technology(ies)	Test Method(s)
Methylene chloride n-Heptane n-Hexane n-Pentane Toluene Total Xylenes Trichloroethene	
Terpenes by GC-MS 3-Carene Camphene Caryophyllene Oxide Cineole/Eucalyptol Geraniol Guaiol Isopulegol Limonene Linalool Myrcene Nerolidol Ocimene p-cymene Terpinolene α-Bisabolol α-Humulene α-Pinene α-Terpinene β-Caryophyllene β-Pinene γ-Terpinene	SOP-VA 1539-Terpenes Analysis (Doc ID 1539)
Pesticides by LC-MS/MS Abamectin Acephate Acequinocyl Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl Carbofuran Chlorantraniliprole Chlorfenapyr	SOP-VA 1581-Pesticides and Mycotoxin Detection (Doc ID 1581)

Test(s)/Technology(ies)	Test Method(s)
Chlorpyrifos	
Clofentezine	
Cyfluthrin	
Cypermethrin	
Daminozide	
Diazinon	
Dichlorvos	
Dimethoate	
Ethoprophos	
Etofenprox	
Etoxazole	
Fenoxycarb	
Fenpyroximate	
Fipronil	
Flonicamid	
Fludioxonil	
Hexythiszox	
Imazalil	
Imidacloprid	
Kresoxim-methyl	
Malathion	
Metalaxyl	
Methiocarb	
Methomyl	
Methyl parathion	
MGK-264	
Myclobutanil	
Naled	
Oxamyl	
Paclobutrazol	
Permethrins	
Phosmet	
Piperonyl butoxide	
Prallathrin	
Propiconazole	
Propoxur	
Pyrethrins	
Pyridaben	
Spinosad	
Spiromesifen	
Spirotetramat	
Spiroxamine	
Tebuconazole	

Test(s)/Technology(ies)	Test Method(s)
Thiacloprid Thiamethoxam Trifloxystrobin	
Mycotoxins by LC-MS/MS Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Ochratoxin	SOP-VA 1581-Pesticides and Mycotoxin Detection (Doc ID 1581)

BIOLOGICAL

Test(s)/Technology(ies)	Test Method(s)
Microbial Contamination by Plate Count *Aspergillus* *Pseudomonas aeruginosa* *Salmonella* spp. *Staphylococcus aureus* Microbial Contamination by Plate Count & *Petrifilm* BTGN *Escherichia coli* Total Aerobic Microbial Count Total coliforms Total Yeast and Mold Count	SOP-VA 1382-Microbial Contamination by Plate Count based on USP <61> and <62> and *Petrifilm* (Doc ID 1382)
Microbial Contamination by qPCR BTGN *Escherichia coli* *Salmonella* spp. Total Aerobic Microbial Count Total coliforms Total Yeast and Mold Count	Microbial contamination by qPCR SOP-701-GA, SOP-702-GA, SOP-703-GA
Moisture content by Moisture Analyzer Moisture content, %	SOP-055-GA Moisture Content
Water Activity by Water Activity Meter Water activity, a_w	SOP-VA 1496-Water Activity (Doc ID 1496)