



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

GREEN ANALYTICS VIRGINIA, LLC  
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CHEMICAL

Valid To: November 30, 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:

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

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

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

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

BIOLOGICAL

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



## 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 20<sup>th</sup> day of January 2023.

A blue ink signature of Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5748.01  
Valid to November 30, 2024  
Revised on October 21, 2024

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