



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

HIGHGRADE LABS OF ARIZONA
3141 W. Clarendon Avenue
Phoenix, AZ 85017
Carl Wheeler Phone: 602-609-6949

CHEMICAL

Valid To: May 31, 2023

Certificate Number: 5861.02

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

<u>Test/Technology</u>	<u>Test Method</u>
Cannabinoids by HPLC-DAD CBC CBD CBDa CBDv CBG CBGa CBN Delta-9-THC Delta-8-THC THCa THCV	SOP 400
Heavy Metals by ICP-MS As, Cd, Hg, Pb	SOP 413
Moisture Content by Aqualab 3	SOP 416
Pesticide by LC-QQQ Abamectin B1a Acephate Acequinocyl Acetamiprid Aldicarb Azoxystrobin Bifenazate Bifenthrin Boscalid Carbaryl Carbofuran Chlortraniliprole Chlorfenapyr Chlorpyrifos Clofentezine Cyfluthrin	SOP 407

<u>Test/Technology</u>	<u>Test Method</u>
Pesticide by LC-QQQ (cont'd) Cypermethrin Daminozide Diazinon Dichlorvos Dimethoate Ethoprophos Etofenprox Etoxazole Fenoxycarb Fenpyroximate Fipronil Flonicamid Fludioxinil Hexythiazox Imazalil Imidacloprid Kresoxim-Methyl Malathion Metalaxyl Methiocarb Methomyl Myclobutanil Naled Oxamyl Paclobutrazol Permethrins Phosmet Piperonyl Butoxide Prallethrin Propiconazole Propoxur Pyrethrum Cinerin I Pyrethrum Jasmolin I Pyrethrum Pyrethrin I Pyridaben Spinosad Spiromesifen Spirotetramat Spiroxamine Tebuconazole Thiacloprid Thiamethoxam Trifloxystrobin Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Ochratoxin A	SOP 407

<u>Test/Technology</u>	<u>Test Method</u>
Residual Solvents by GC-MS 2,2-Dimethylbutane 2,2-Dimethylpropane 2,3-Dimethylbutane 2-Methylbutane 2-Methylpentane 3-Methylpentane Acetone Acetonitrile Benzene Chloroform Ethanol Ethyl Acetate Ethyl Ether Ethylbenzene Isobutane Isopropyl Acetate Isopropyl Alcohol Methanol Methylene Chloride m-Xylene n-Butane n-Heptane n-Hexane n-Pentane n-Propane o-Xylene p-Xylene Toluene	SOP 404
Terpenes by GC-FID Alpha Bisabolol Alpha Cedrene Alpha Humulene Alpha Phellandrene Alpha Pinene Alpha Terpinene Alpha Terpineol Beta Caryophyllene Beta Myrcene Beta Pinene Borneol Camphene Camphor Caryophyllene Oxide Cedrol Cis Nerolidol Delta 3 Carene Eucalyptol Farnesene Fenchone	SOP 409

<u>Test/Technology</u>	<u>Test Method</u>
Terpenes by GC-FID (cont'd) Endo-Fenchyl Alcohol Gamma Terpinene Gamma Terpineol Geraniol Geranyl Acetate Guaiol Hexahydrothymol Isoborneol Isopulegol Limonene Linalool Nerol Ocimene 1 Ocimene 2 Pulegone Sabinene Sabinene Hydrate Terpinolene Trans Nerolidol Valencene	SOP 409
Water Activity by Aqualab 3	SOP 416

BIOLOGICAL

<u>Test/Technology</u>	<u>Test Method</u>
<i>Aspergillus</i> by AriaMX qPCR System	SOP 415-C
<i>Salmonella</i> Samples by 3M Petrifilm Express System	SOP 415-B
Yeast and Mold and <i>Escherichia coli</i> Samples by 3M Petrifilm	SOP 415-A



Accredited Laboratory

A2LA has accredited

HIGHGRADE LABS OF ARIZONA

Phoenix, AZ

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 3rd day of June 2021.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5861.02
Valid to May 31, 2023
Revised December 15, 2022

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