



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

KEYSTONE STATE TESTING, LLC  
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CHEMICAL

Valid To: March 31, 2022

Certificate Number: 4405.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with A2LA's *R243 - Specific Requirements - Cannabis Testing Laboratory Accreditation Program*, containing the ASA (Americans for Safe Access) Laboratory Requirements which is derived from the *2016 American Herbal Products Association (AHPA) Recommendations for Regulators – Cannabis Operations*), accreditation is granted to this laboratory to perform the following types of tests on cannabis flower, plant and processed material:

<u>Test/Technology(ies)</u>	<u>Test Method</u>
<b>Cannabinoid Potency and Profile by HPLC</b> Total THC, Total CBD THCa, d9-THC, d8-THC, THCV, CBDa, CBD, CBDV, CBN, CBGa, CBG, CBC)	P100
<b>Heavy Metals by ICP-MS</b> Hg, Pb, Cd, As	P140
<b>Moisture Content by Moisture Content Analyzer</b>	P160
<b>Mycotoxins by LC-MS/MS</b> Aflatoxin B1, B2, G1, G2 Ochratoxin A	P125
<b>Pesticide Analysis by GC-MS/MS and LC-MS/MS</b> Abamectin, Acephate, Acequinocyl, Acetamiprid, Aldicarb, Azoxystrobin, Bifenazate, Bifenthrin, Boscalid, Captan, Carbaryl, Carbofuran, Chlorantraniliprole, Chlorfenapyr, Chlorpyrifos, Clofentezine, Cyfluthrin, Cypermethrin, Daminozide, DDVP, Diazinon, Dimethoate, Dimethomorph, Ethoprophos, Etofenprox, Etoxazole, Fenhexamid, Fenoxycarb, Fenpyroximate, Fipronil, Flonicamid, Fludioxonil, Hexythiazox, Imazalil, Imidacloprid, Kresoxim-methyl, Malathion, Metalaxyl, Methiocarb, Methomyl, Methyl parathion, Mfgk-264, Myclobutanil, Naled, Oxamyl, Paclobutrazol, Permethrins, Phosmet, Piperonyl Butoxide, Prallethrin, Propiconazole, Propoxur, Pyridaben, Spinetoram,	P150

Spinosad, Spirotetramat, Spiroxamine, Spiromesifen, Tebuconazole, Thiachloprid, Thiamethoxam, Trifloxystrobin	
<b>Residual Solvents by GC-MS-HS</b> 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	P170
<b>Terpene Profile by GC-MS-HS</b> (-)-Alpha-Bisabolol, (-)-Borneol, (-)-Caryophyllene Oxide, (-)-Isopulegol, (+)-Borneol, (+)-Cedrol, (+)-Fenchone, (+)-Pulegone, (1R)-(+)-Camphor, (1R)-Endo-(+)-Fenchyl Alcohol, (1S)-(-)-Camphor, (1S)-(+)-3-Carene, (R)-(+)-Limonene, alpha-Cedrene, alpha-Humulene, alpha-Pinene, alpha-Terpinene, beta-Myrcene, beta-Pinene, Camphene, Camphor, cis-Nerolidol, Eucalyptol, Farnesene (mix of isomers), gamma-Terpinene, Geraniol, Geranyl Acetate, Guaiol, Hexahydrothymol, Isoborneol, L(-)-Fenchone, Linalool, Nerol, Ocimene (Mixture of Isomers), p-Mentha-1,5-diene, Sabinene, Sabinene Hydrate, Terpeneol (mixture of Isomers), Terpinolene, trans-Caryophyllene, trans-Nerolidol, Valencene	P210
<b>Water Activity by Water Activity Meter</b>	P160

BIOLOGICAL

<u>Test/Technology</u>	<u>Test Method</u>
<b>Bile Tolerant Gram-Negative Bacteria by Petri Plates</b>	P120
<i>Escherichia Coli</i> by Petri Plates	
<i>Salmonella</i> by Petri Plates	
<i>Staphylococcus aureus</i> by Petri Plates	
<b>Total Aerobic Microbial Count by Petri Plates</b>	
<b>Total Yeast &amp; Mold Count by Petri Plates</b>	



# Accredited Laboratory

A2LA has accredited

## KEYSTONE STATE TESTING, LLC

*Harrisburg, PA*

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's R243 - *Specific Requirements - Cannabis Testing Laboratory Accreditation Program* additional program requirements in the Chemical field. 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 18th day of February 2020.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 4405.01  
Valid to March 31, 2022

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