



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

KEYSTONE STATE TESTING, LLC
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Julian, PA 16844
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CHEMICAL

Valid To: March 31, 2020

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 and plant material:

<u>Test</u>	<u>Technology</u>	<u>Method</u>
Cannabinoid Potency Analysis	HPLC	AHP
Cannabinoid Profile	HPLC	AHP
Heavy Metal Analysis (Hg, Pb, Cd, As)	ICP-MS	AOAC 994.02; FDA EAM 4.7
Pesticide Analysis	GC-MS LC-MS-MS	FDA-PAM; EPA Method 507; USDA 2010-2011
Residual Solvents	GC-MS-HS	USP Ch. 467
Terpene Profile	GC-MS-HS	AOAC V98, N6
Water Activity	Water Activity Meter	FDA ITG39
Moisture Content	Moisture Content Analyzer	ASTM D 2974-87

BIOLOGICAL

<u>Test</u>	<u>Technology</u>	<u>Method</u>
<i>Escherichia Coli</i>	Petri Plates	AOAC 100401
Total aerobic microbial count	Petri Plates	AOAC 100401
Yeast & Mold count	Petri Plates	AOAC 100401
Gram - Negative	Petri Plates	AOAC 100401
<i>Salmonella</i>	Petri Plates	AOAC 100401
<i>Staphylococcus aureus</i>	Petri Plates	AOAC 100401
Aflatoxin B1, B2, G1, G2	LCMS	AOAC 2008.02 FAM 2015, 8.9.2321
Ochratoxin A	LCMS	AOAC 2008.02 FAM 2015, 8.9.2321





Accredited Laboratory

A2LA has accredited

KEYSTONE STATE TESTING

Julian, PA

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 21st day of February 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 4405.01
Valid to March 31, 2020

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