



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

KEYSTONE STATE TESTING, LLC  
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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;<br>FDA EAM 4.7                   |
| Pesticide Analysis                    | GC-MS<br>LC-MS-MS         | FDA-PAM;<br>EPA Method 507;<br>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<br>FAM 2015, 8.9.2321 |
| Ochratoxin A                  | LCMS              | AOAC 2008.02<br>FAM 2015, 8.9.2321 |





## Accredited Laboratory

A2LA has accredited

### KEYSTONE STATE TESTING

*Harrisburg, PA*

for technical competence in the field of

### Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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.*