



Analytical Resource Laboratories

47-2854223  
520 South 850 East, Suite B3  
Lehi, UT 84043  
801-847-7722  
www.analyticalresource.com  
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## Certificate of Analysis

### Client Information

Austin Leaf, LLC  
Austin, TX  
833 Austin-1

### Sample Information

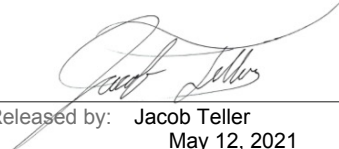
ARL ID: 413678  
Date Received: 5/3/2021  
Description: Kratom Powder  
Lot#: 20210424 10gr

| Analysis              | Method     | †MDL / LOQ | Specification | Results | UOM | Lab ID |
|-----------------------|------------|------------|---------------|---------|-----|--------|
| Mitragynine Package   | HPLC 2.046 |            |               |         |     | 1      |
| Mitragynine           | HPLC 2.046 | 0.1        | Record Only   | 1.3     | %   | 1      |
| 7-Hydroxy-Mitragynine | HPLC 2.046 | 0.04       | Record Only   | <0.04   | %   | 1      |

Form# arlcoa031201a

Printed on: May 12, 2021 9:05 AM

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Released by:  Jacob Teller

May 12, 2021

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†**Method Detection Limit (MDL)**: In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None detected", it means any visible growth was below this limit. **Limit of Quantitation (LOQ)**: In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.



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### Client Information

Austin Leaf, LLC  
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833 Austin-1

### Sample Information

ARL ID: 411849  
Date Received: 4/23/2021  
Description: Kratom Powder - Green Maeng Da Kratom Powder  
Lot#: GMD20210424 10gr  
GMD20210424 20gr

| Analysis                                | Method          | †MDL / LOQ | Specification | Results       | UOM       | Lab ID |
|---|-----------------|------------|---------------|---------------|-----------|--------|
| Complete Micro Profile, HM (High Count) | USP, AOAC, ICP- |            |               |               |           | 1      |
| Total Plate Count (High Count)          | USP <2021>      | 100        | < 10 Million  | 16,000        | cfu's/g   | 1      |
| Coliforms                               | AOAC 991.14     | 100        | < 10,000      | None Detected | cfu's/g   | 1      |
| E. coli                                 | USP <2022>      | Absent     | Absent        | Absent        | cfu's/10g | 1      |
| Staphylococcus aureus                   | USP <2022>      | Absent     | Absent        | Absent        | cfu's/10g | 1      |
| Salmonella                              | USP <2022>      | Absent     | Absent        | Absent        | cfu's/10g | 1      |
| Yeast (High Count)                      | USP <2021>      | 100        | < 100,000     | None Detected | cfu's/g   | 1      |
| Mold (High Count)                       | USP <2021>      | 100        | < 100,000     | None Detected | cfu's/g   | 1      |
| Heavy Metals                            | ARL ICPMS 8.016 |            |               |               |           | 1      |
| Arsenic (As)                            | ARL ICPMS 8.016 | 0.001      | < 2           | 0.236         | ppm       | 1      |
| Cadmium (Cd)                            | ARL ICPMS 8.016 | 0.001      | < 0.85        | 0.029         | ppm       | 1      |
| Mercury (Hg)                            | ARL ICPMS 8.016 | 0.001      | < 0.41        | 0.025         | ppm       | 1      |
| Lead (Pb)                               | ARL ICPMS 8.016 | 0.001      | < 1.2         | 0.392         | ppm       | 1      |

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\* ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and Supplement also available upon request.

This Certificate of Analysis represents data only for the sample provided and does not constitute a guarantee of quality for the entire production lot.