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# Certificate of Analysis

**Client Information**

Kats Botanicals
6330 N Andrews Ave #297
Fort Lauderdale, FL 33309
(877) 301-9923

**Sample Information**

ARL ID: 414637
Date Received: 5/7/2021
Description: Kratom Powder
Kratom Powder
Lot#: 0001268

| Analysis | Method | †MDL / LOQ | Specification | Results | UOM | Lab ID |
|---|---|---|---|---|---|---|
| Kratom 2A Profile (Rapid) | | | | | | 1 |
| Complete Micro Profile (High Count, Rapid) | USP, AOAC | | | | | 1 |
| Total Plate Count (High Count) | USP <2021> | 100 | < 10 Million | 98,000 | cfu's/g | 1 |
| Coliforms | AOAC 991.14 | 100 | < 10,000 | 800 | 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 and Mold (High Count, Rapid) | AOAC RI | 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 | 0.379 | ppm | 1 |
| Cadmium (Cd) | ARL ICPMS 8.016 | 0.001 | < 0.85 | 0.028 | ppm | 1 |
| Mercury (Hg) | ARL ICPMS 8.016 | 0.001 | < 0.41 | 0.024 | ppm | 1 |
| Lead (Pb) | ARL ICPMS 8.016 | 0.001 | < 1.2 | 0.592 | ppm | 1 |
| Mitragynine Package | HPLC 2.046 | | | | | 1 |
| Mitragynine | HPLC 2.046 | 0.1 | 0.25-2.00 | 1.24 | % | 1 |
| 7-Hydroxy-Mitragynine | HPLC 2.046 | 0.04 | 0.000-0.100 | <0.040 | % | 1 |

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Released by: Jacob Teller
May 13, 2021



†**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.

*** 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.