



Analytical Resource Laboratories

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## Certificate of Analysis

### Client Information

#### Steding and Sons Mercantile - 1836 Kratom

13200 Pond Springs Rd E39  
 Austin, TX 78729  
 USA  
 512.704.3680

### Sample Information

ARL ID: 684110  
 Date Received: 6/22/2023  
 Date Tested: 6/28/2023  
 Description: Green Block  
 Lot#: SG151923

### Results

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
<u>K4A Profile (Rapid)</u>						1
<u>Complete Micro Profile (Rapid)</u>	USP, AOAC					1
Total Plate Count (High Count)	USP <2021>	100	Record Only	1,000	cfu's/g	1
Coliforms	AOAC 991.14	100	Record Only	None Detected	cfu's/g	1
E. coli	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Staphylococcus aureus	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Salmonella	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Yeast and Mold (High Count, Rapid)	AOAC RI	100	Record Only	None Detected	cfu's/g	1
<u>Heavy Metals</u>	ARL ICPMS 8.016					1
Arsenic (As)	ARL ICPMS 8.016	0.001	Record Only	0.149	ppm	1
Cadmium (Cd)	ARL ICPMS 8.016	0.001	Record Only	0.021	ppm	1
Mercury (Hg)	ARL ICPMS 8.016	0.001	Record Only	0.016	ppm	1
Lead (Pb)	ARL ICPMS 8.016	0.001	Record Only	0.676	ppm	1
<u>K4A Actives</u>	ARL 2.046					1
Mitragynine	ARL 2.046	0.03	Record Only	1.61	%	1
7-Hydroxy-Mitragynine	ARL 2.046	0.04	Record Only	<0.04	%	1
Speciogynine	ARL 2.046	0.03	Record Only	0.23	%	1
Paynantheine	ARL 2.046	0.04	Record Only	0.31	%	1

Form: arlcoa031201a Report: 684110

experience • professionalism • value

Released by: Spencer Ashby

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

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Results

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
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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.

**Under accreditation number 77504, ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and scope are also available upon request.**

