



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  
 512.998.1773

### Sample Information

ARL ID: 386234-1  
 Date Received: 12/14/2020  
 Description: Powdered Leaf Kratom  
 Lot#: MD151913

Analysis	Method	MDL	Specification	Results	UOM	Lab ID
Kratom 4A Profile						1
Complete Micro Profile	USP, AOAC					1
Total Plate Count (High Count)	USP <2021>	10	Record Only	140,000	cfu's/g	1
Coliforms	AOAC 991.14	10	Record Only	3700	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 (High Count)	USP <2021>	10	Record Only	200	cfu's/g	1
Mold (High Count)	USP <2021>	10	Record Only	2600	cfu's/g	1
Heavy Metals	ARL ICPMS					1
Arsenic (As)	ARL ICPMS	0.001	Record Only	0.280	ppm	1
Cadmium (Cd)	ARL ICPMS	0.001	Record Only	0.039	ppm	1
Mercury (Hg)	ARL ICPMS	0.001	Record Only	0.024	ppm	1
Lead (Pb)	ARL ICPMS	0.001	Record Only	0.326	ppm	1
Kratom Alkaloids	HPLC 2.046					1
Mitragynine	HPLC 2.046	0.1	Record Only	1.4	%	1
7-Hydroxy-Mitragynine	HPLC 2.046	0.04	Record Only	<0.04	%	1
Speciogynine	HPLC 2.046	0.1	Record Only	0.2	%	1
Paynantheine	HPLC 2.046	0.1	Record Only	0.4	%	1

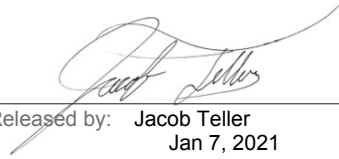
### Notes:

+Revision: Updated Mitragynine results

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Released by:   
 Jacob Teller  
 Jan 7, 2021  
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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.