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Certificate of Analysis

Client Information

Kats Botanicals
6330 N Andrews Ave #297
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Sample Information

ARL ID: 402565
Date Received: 3/10/2021
Description: Kratom Powder Kratom Powder
Lot#: 0001164

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
Kratom 2A Profile						1
Complete Micro Profile	USP, AOAC					1
Total Plate Count (High Count)	USP <2021>	100	< 10 Million	180,000	cfu's/g	1
Coliforms	AOAC 991.14	100	< 10,000	1,000	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	13,000	cfu's/g	1
Heavy Metals	ARL ICPMS 8.016					1
Arsenic (As)	ARL ICPMS 8.016	0.001	< 2	0.235	ppm	1
Cadmium (Cd)	ARL ICPMS 8.016	0.001	< 0.85	0.018	ppm	1
Mercury (Hg)	ARL ICPMS 8.016	0.001	< 0.41	0.021	ppm	1
Lead (Pb)	ARL ICPMS 8.016	0.001	< 1.2	0.612	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
Mar 15, 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.