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CERTIFICATE OF ANALYSIS

STATUS: RELEASED **REVISION**: 01
DATE: 06/02/2021

Analysis ID No. 211537
TDA License No. 2020002
ISO/IEC No. 1055838
Customer No. 20210461

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name:	**Submitted Sample Name:**
Kats Botanicals	Kratom Leaf Powder
Address:	**Submitted Sample Lot:**
6300 N Andrews Ave #297; Fort Lauderdale, FL 33309	0001325
Phone Number:	**Submitted Sample Description:**
(877) 301-9923	Green Powder in Sealed, Plastic Bag; Stored at Room Temp
Contact Name / Email:	**Submitted Sample Product Type / Matrix:**
N/A	Kratom Plant Matter / Leaf Powder

ALKALOIDS ASSAY

Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	1.197 w/w% 11.968 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.269 w/w% 2.690 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.151 w/w% 1.508 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.418 w/w% 4.175 mg/g	Results Reported
7-OH-Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only % Total Alkaloids: NMT 2%	< 0.01%	PASS
Mitraphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.01%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.01%	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	2.034 w/w% 20.341 mg/g	Results Reported

HEAVY METALS

Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	583.1 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	26.1 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	27.7 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	376.6 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	10 ppb	NMT 200,000 ppb	2,052.0 ppb	PASS

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MICROBIOLOGICAL ASSAY

Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Total Aerobic Plate Count (TAPC)	Isolation Agar	20 CFU/gm	NMT 10,000,000 CFU/gm	479,000 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	1,160 CFU/gm	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	< LOQ	PASS
Escherichia coli (E.coli)	Isolation Agar	1 CFU/10 gm	Absent in 10 gm	Absent	PASS
Salmonella	Isolation Agar	1 CFU/25 gm	Absent in 25 gm	Absent	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	**Santé Sample ID:** 211537 **Receipt Date:** 05/25/2021 / 09:00 AM CST / S. ORTEGA **Receipt Condition:** Good **Analysis Start Date:** 05/25/2021

ADDITIONAL REPORT NOTES

The reported results presented in this document is only applicable to samples submitted to Santé Laboratories for testing and may not represent the entire lot and/or batch produced by the manufacturer. **Heavy metal specifications according to limits defined by Texas DSHS for consumable hemp. Nickel specification according to oral drug products per USP <232>. Microbiological specifications follow AHPA guidelines for botanical ingredients (non-extract).**
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VERSION HISTORY

Version	Effective Date	Summary of Changes
00	05/28/2021	Initial Release
01	06/02/2021	Updated Customer Information

PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

DocuSigned by:
Melody Adam
B01EE4CCB0EE410...

Melody Adam, M.S.
Quality Control Manager
Santé Laboratories

6/2/2021
Date
DD-MM-YY

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