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Santé LABORATORIES

CERTIFICATE OF ANALYSIS

STATUS: RELEASED **REVISION:** 00
DATE: 06/24/2022

Analysis ID No. 222667
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20220752
Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name:	**Submitted Sample Name:**
Kat's Botanicals	Kratom Powder
Address:	**Submitted Sample Lot:**
6300 N. Andrews Avenue #297, Fort Lauderdale, FL 33309	0002078
Phone Number:	**Submitted Sample Description:**
877-301-9923	Green Powder in Plastic Bag w/ Zip Tie; Stored at Rm Temp
Contact Name / Email:	**Submitted Sample Product Type / Matrix:**
N/A	Kratom Plant Matter / 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	1.065 w/w% 10.650 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.226 w/w% 2.260 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.131 w/w% 1.308 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.358 w/w% 3.581 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%	0.037 w/w% 0.374 mg/g 1.7% of Total	PASS
Mitraphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.010 w/w%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.111 w/w% 1.113 mg/g	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.246 w/w% 2.464 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	2.175 w/w% 21.750 mg/g	Results Reported

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	41,000 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	80 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

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CERTIFICATE OF ANALYSIS

STATUS: RELEASED **REVISION:** 00
DATE: 06/24/2022

Analysis ID No.	222667
TDA License No.	2020002
ISO/IEC No.	1055838
Purchase Order:	20220752
Page No.	Page 2 of 2

HEAVY METALS ASSAY

Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	0.010 mcg/g	NMT 1.000 mcg/g	0.524 mcg/g	PASS
Mercury	USP <232> <233> by ICP-MS	0.005 mcg/g	NMT 0.500 mcg/g	0.021 mcg/g	PASS
Arsenic	USP <232> <233> by ICP-MS	0.010 mcg/g	NMT 1.500 mcg/g	0.265 mcg/g	PASS
Cadmium	USP <232> <233> by ICP-MS	0.010 mcg/g	NMT 0.300 mcg/g	0.063 mcg/g	PASS
Nickel	USP <232> <233> by ICP-MS	0.050 mcg/g	NMT 200.000 mcg/g	9.219 mcg/g	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	**Santé Sample ID:** 222667 **Receipt Date:** 06/17/2022 / 12:47 PM CST / P Steinberg **Receipt Condition:** Good **Analysis Start Date:** 06/17/2022

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	06/24/2022	Initial Release

PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

DocuSigned by:
Brian Sloat
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24 June 2022 | 4:50:23 PM PDT
DD-MM-YY

Brian Sloat, Ph.D.
Chief Scientific Officer / Quality Manager
Santé Laboratories

Date

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