DocuSign Envelope ID: 16E05A91-4DD0-4B9F-95C5-60B6AA5745B2

CERTIFICATE OF ANALYSIS

STATUS: RELEASED **REVISION:** 00
DATE: 01/31/2023

Analysis ID No. 230264
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20230062
Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
Client Name:	**Submitted Sample Name:**
Kat's Botanicals	Kratom Leaf Powder
Address:	**Submitted Sample Lot:**
6300 N. Andrews Ave #297, Fort Lauderdale, FL 33309	0002500
Phone Number:	**Submitted Sample Description:**
877-301-9923	Green Powder in Clear Resealable Bag w/ Zip Tie; Stored at RT
Contact Name / Email:	**Submitted Sample Product Type / Matrix:**
Mike Greenberg / N/A	Kratom Powder / Plant Matter

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	1.342 w/w% 13.419 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.324 w/w% 3.244 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.213 w/w% 2.126 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.252 w/w% 2.517 mg/g	Results Reported
7-OH-Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only % of Total Alkaloids: NMT 2%	< 0.010 w/w%	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	< 0.010 w/w%	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.031 w/w% 0.309 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	2.162 w/w% 21.616 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	2,490 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	< LOQ	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

This report may not be reproduced, except in full, without the permission of Santé Laboratories, LLC.

DocuSign Envelope ID: 16E05A91-4DD0-4B9F-95C5-60B6AA5745B2

CERTIFICATE OF ANALYSIS

STATUS: RELEASED **REVISION:** 00
DATE: 01/31/2023

Analysis ID No. 230264
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20230062

HEAVY METALS ASSAY

Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 1.250 mcg/g	0.981 mcg/g	PASS
Mercury	USP <232> <233> by ICP-MS	0.005 mcg/g	NMT 0.200 mcg/g	0.020 mcg/g	PASS
Arsenic	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 1.000 mcg/g	0.179 mcg/g	PASS
Cadmium	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 0.400 mcg/g	0.032 mcg/g	PASS
Nickel	USP <232> <233> by ICP-MS	0.05 mcg/g	NMT 20.000 mcg/g	3.009 mcg/g	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	**Santé Sample ID:** 230264 **Receipt Date:** 01/25/2023 / 10:00 AM CST / C. Ritchie **Receipt Condition:** Good **Analysis Start Date:** 01/26/2023

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 provided by Customer. Microbiological specifications follow AHPA guidelines for botanical ingredients (non-extract).**
©2020 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY

Version	Effective Date	Summary of Changes
00	01/31/2023	Initial Release

PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

DocuSigned by:
Yvonne Rivera
E49DDA845186484...

Yvonne Rivera
Data Management Specialist
Santé Laboratories

31 January 2023 | 11:33:21 AM PST
Date

This report may not be reproduced, except in full, without the permission of Santé Laboratories, LLC.