DocuSign Envelope ID: A90899F5-0BA5-49D9-BC6A-28D94D4D55A5

Santé LABORATORIES

CERTIFICATE OF ANALYSIS

STATUS: RELEASED **REVISION:** 00
DATE: 04/11/2024

Analysis ID No. 240584
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20240144

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name:	**Submitted Sample Name:**
Kats Botanicals	Kratom Leaf Powder
Address:	**Submitted Sample Lot:**
750 Hickory Industrial Drive, Old Hickory, TN 37138	559169WBAC
Phone Number:	**Submitted Sample Description:**
877-301-9923	Green Powder in White Resealable Bag; Stored at RT
Contact Name / Email:	**Submitted Sample Product Type / Matrix:**
Not Provided	Kratom Leaf 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	1.388 w/w% 13.882 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.164 w/w% 1.644 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.137 w/w% 1.368 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.287 w/w% 2.868 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	< 0.010 w/w%	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	1.976 w/w% 19.762 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	665 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: A90899F5-0BA5-49D9-BC6A-28D94D4D55A5

CERTIFICATE OF ANALYSIS

STATUS: RELEASED **REVISION:** 00
DATE: 04/11/2024

Analysis ID No. 240584
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20240144

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	1.210 mcg/g	PASS
Mercury	USP <232> <233> by ICP-MS	0.005 mcg/g	NMT 0.200 mcg/g	0.022 mcg/g	PASS
Arsenic	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 1.000 mcg/g	0.277 mcg/g	PASS
Cadmium	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 0.400 mcg/g	0.022 mcg/g	PASS
Nickel	USP <232> <233> by ICP-MS	0.05 mcg/g	NMT 20.000 mcg/g	3.005 mcg/g	PASS

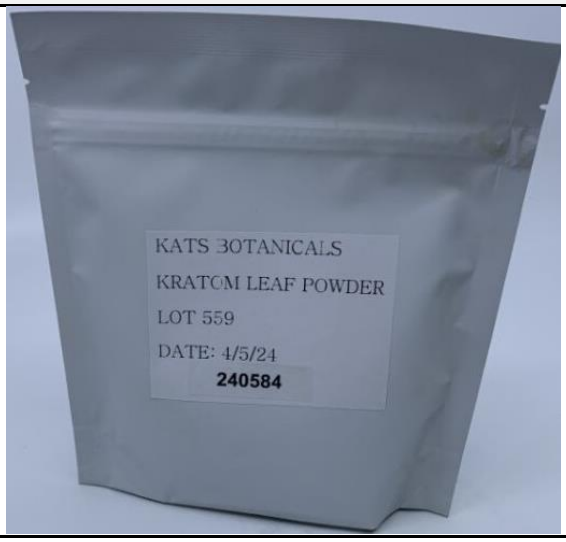
TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	**Santé Sample ID:** 240584 **Receipt Date:** 04/08/2024 / 12:12 PM CST / L. Sacco **Receipt Condition:** Good **Analysis Start Date:** 04/08/2024

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	04/11/2024	Initial Release

PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

DocuSigned by:
Yvonne Rivera
E49DDA845186484...

Yvonne Rivera
Data Management Specialist
Santé Laboratories

11 April 2024 | 2:52:56 PM PDT
Date

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