



# CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 02/06/2023

Analysis ID No. 230324  
TDA License No. 2020002  
ISO/IEC No. 1055838  
Purchase Order: 20230076  
Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
<b>Client Name:</b> Kats Kratom	<b>Submitted Sample Name:</b> Kratom Leaf Powder
<b>Address:</b> 619 Old Hickory Blvd, Old Hickory, TN 37138	<b>Submitted Sample Lot:</b> 286082PMDP
<b>Phone Number:</b> 877-301-9923	<b>Submitted Sample Description:</b> Green Powder in White Mylar Packaging; Stored at RT
<b>Contact Name / Email:</b> N/A	<b>Submitted Sample Product Type / Matrix:</b> 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	1.650 w/w% 16.498 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.331 w/w% 3.305 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.258 w/w% 2.584 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.310 w/w% 3.096 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	2.548 w/w% 25.484 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	2,580 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

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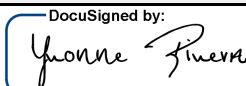
HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 1.250 mcg/g	0.531 mcg/g	PASS
Mercury	USP <232> <233> by ICP-MS	0.005 mcg/g	NMT 0.200 mcg/g	0.019 mcg/g	PASS
Arsenic	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 1.000 mcg/g	0.347 mcg/g	PASS
Cadmium	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 0.400 mcg/g	0.030 mcg/g	PASS
Nickel	USP <232> <233> by ICP-MS	0.05 mcg/g	NMT 20.000 mcg/g	2.910 mcg/g	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
<b>Santé Laboratories</b> 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	<b>Santé Sample ID:</b> 230324 <b>Receipt Date:</b> 01/30/2023 / 10:00 AM CST / C. Ritchie <b>Receipt Condition:</b> Good <b>Analysis Start Date:</b> 01/31/2023

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. <b>Heavy metal specifications according to limits provided by Customer. Microbiological specifications follow AHPA guidelines for botanical ingredients (non-extract).</b> ©2020 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	02/06/2023	Initial Release

PRODUCT SAMPLE / IMAGE


REVIEWED AND APPROVED BY	
DocuSigned by:  E48DDA045100404... <b>Yvonne Rivera</b> Data Management Specialist Santé Laboratories	06 February 2023   2:23:27 PM PST Date