



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 01/20/2023

Analysis ID No. 230126
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Purchase Order: 20230032
 Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
Client Name: Kats Kratom	Submitted Sample Name: Kratom Leaf Powder
Address: 619 Old Hickory Blvd, Old Hickory, TN 37138	Submitted Sample Lot: 267073DBP
Phone Number: 877-301-9923	Submitted Sample Description: Green Powder in White Mylar Packaging; Stored at RT
Contact Name / Email: N/A	Submitted Sample Product Type / Matrix: 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	1.533 w/w% 15.331 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.321 w/w% 3.207 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.248 w/w% 2.485 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.290 w/w% 2.900 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%	< 0.010 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	0.020 w/w% 0.199 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	2.412 w/w% 24.122 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	1,395 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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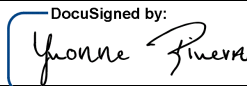
HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 1.250 mcg/g	1.006 mcg/g	PASS
Mercury	USP <232> <233> by ICP-MS	0.005 mcg/g	NMT 0.200 mcg/g	0.018 mcg/g	PASS
Arsenic	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 1.000 mcg/g	0.377 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	3.023 mcg/g	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 230126 Receipt Date: 01/16/2023 / 09:15 AM CST / K. Cobbett Receipt Condition: Good Analysis Start Date: 01/16/2023

ADDITIONAL REPORT NOTES
<p>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. 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).</p> <p>©2020 Santé Laboratories, LLC – All Rights Reserved</p>

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	01/20/2023	Initial Release

PRODUCT SAMPLE / IMAGE


REVIEWED AND APPROVED BY	
<p>DocuSigned by:  E49DDA845186484...</p> <p>Yvonne Rivera Data Management Specialist Santé Laboratories</p>	<p>20 January 2023 12:04:13 PM PST</p> <p>Date</p>