



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 08/22/2022

Analysis ID No. 223499
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Purchase Order: 20220987
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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	145292WBAP
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 Leaf / 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	1.425 w/w% 14.428 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.252 w/w% 2.521 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.197 w/w% 1.968 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.381 w/w% 3.815 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	< 0.010 w/w%	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	2.255 w/w% 22.551 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	< LOQ	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 1.000 mcg/g	0.891 mcg/g	PASS
Mercury	USP <232> <233> by ICP-MS	0.005 mcg/g	NMT 0.500 mcg/g	0.026 mcg/g	PASS
Arsenic	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 1.500 mcg/g	0.356 mcg/g	PASS
Cadmium	USP <232> <233> by ICP-MS	0.01 mcg/g	NMT 0.300 mcg/g	0.016 mcg/g	PASS
Nickel	USP <232> <233> by ICP-MS	0.05 mcg/g	NMT 200.000 mcg/g	1.438 mcg/g	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 223499 Receipt Date: 08/15/2022 / 15:00 PM CST / C Ritchie Receipt Condition: Good Analysis Start Date: 08/15/2022

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 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	08/22/2022	Initial Release

PRODUCT SAMPLE / IMAGE


REVIEWED AND APPROVED BY
<p>DocuSigned by: <i>Brian Sloat</i> 1DA7685D65C740B...</p> <p>22 August 2022 4:09:35 PM PDT <small>DD-MM-YY</small></p> <p>Brian Sloat, Ph.D. Chief Scientific Officer / Quality Manager Santé Laboratories</p> <p>Date</p>