

CERTIFICATE OF ANALYSIS

STATUS: RELEASED REVISION: 00 DATE: 06/30/2023

 Analysis ID No.
 231944

 TDA License No.
 2020002

 ISO/IEC No.
 1055838

 Purchase Order:
 20230488

 Page No.
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CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name:	Submitted Sample Name:
Steding & Sons Mercantile	Kratom Powdered Leaf
Address:	Submitted Sample Lot:
1501 Panther Loop #7A, Pflugerville, TX 78660	IGN151924
Phone Number:	Submitted Sample Description:
512-704-3680	Green Powder in Retail Packaging; Stored at RT
Contact Name / Email:	Submitted Sample Product Type / Matrix:
Jeremy Steding / info@1836kratom.com	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	0.869 w/w% 8.691 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.160 w/w% 1.597 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.148 w/w% 1.485 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.300 w/w% 3.002 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	1.478 w/w% 14.775 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	4,330 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	10 ppb	NMT 1,000 ppb	310.7 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	15.6 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	248.7 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	20.4 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	1,561.6 ppb	PASS

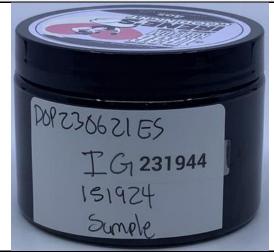
TESTING FACILITY INFORMATION	SAMPLE INFORMATION	
Santé Laboratories	Santé Sample ID: 231944	
8201 East Riverside Drive, STE 650	Receipt Date: 06/23/2023 / 12:00 PM CST / C. Ritchie	
Austin, Texas 78744 USA	Receipt Condition: Good Analysis Start Date: 06/26/2023	

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 defined by Texas DSHS for consumable hemp. Nickel specification according to oral drug products per USP <232>. Microbiological limits according to specifications defined by AHPA for botanical extracts. ©2020 Santé Laboratories, LLC - All Rights Reserved

VERSION HISTORY			
Version	Effective Date	Summary of Changes	
00	06/30/2023	Initial Release	

PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

30 June 2023 | 3:05:11 PM PDT

Cody Shoop

Quality Assurance Associate

Santé Laboratories

Date