



# CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 12/30/2022

Analysis ID No. 225514  
 TDA License No. 2020002  
 ISO/IEC No. 1055838  
 Purchase Order: 20221498  
 Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
<b>Company Name:</b>	<b>Submitted Sample Name:</b>
Steding & Sons Mercantile	Lazy Luau
<b>Address:</b>	<b>Submitted Sample Lot:</b>
1501 Panther Loop #7A, Pflugerville, TX 78660	SLL0001
<b>Phone Number:</b>	<b>Submitted Sample Description:</b>
512-704-3680	Amber Liquid in Retail Packaging; Stored at RT
<b>Contact Name / Email:</b>	<b>Submitted Sample Product Type / Matrix:</b>
Jeremy Steding / info@1836kratom.com	Kratom Extract / Beverage

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 mg/mL: Report Only*	0.224 w/w% 2.237 mg/g 2.295 mg/mL	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.041 w/w% 0.409 mg/g 0.420 mg/mL	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.026 w/w% 0.255 mg/g 0.262 mg/mL	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.014 w/w% 0.139 mg/g 0.143 mg/mL	Results Reported
7-OH-Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: 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 mg/mL: Report Only*	< 0.010 w/w%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only*	< 0.010 w/w%	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only*	< 0.010 w/w%	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only mg/mL: Report Only*	0.304 w/w% 3.040 mg/g 3.119 mg/mL	Results Reported

MICROBIOLOGICAL ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Total Aerobic Plate Count (TAPC)	Isolation Agar	10 CFU/gm	NMT 10,000 CFU/gm	< LOQ	PASS
Total Yeast & Mold (TYM)	Isolation Agar	10 CFU/gm	NMT 1,000 CFU/gm	< LOQ	PASS
Coliforms	Isolation Agar	10 CFU/gm	NMT 100 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

Santé Laboratories, LLC - 8201 East Riverside Drive, STE 650, Austin, Texas 78744 USA  
 Email: [Testing@santelabs.com](mailto:Testing@santelabs.com) - Telephone: 512-309-5830 - Website: [www.santelabs.com](http://www.santelabs.com)

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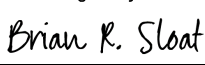
HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	154.7 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	< LOQ	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1500 ppb	12.7 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	< LOQ	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	< LOQ	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> 225514 <b>Receipt Date:</b> 12/19/2022 / 03:45 PM CST / M. Husain <b>Receipt Condition:</b> Good <b>Analysis Start Date:</b> 12/20/2022

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 defined by Texas DSHS for consumable hemp. Nickel and Chromium specification according to oral drug products per USP &lt;232&gt;. Microbiological limits according to specifications defined by AHPA for botanical extracts. * Density: 1.026 mg/mL</b> ©2020 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	12/30/2022	Initial Release

PRODUCT SAMPLE / IMAGE


REVIEWED AND APPROVED BY	
DocuSigned by:  Brian R. Sloat <small>89DC8DE7BF234E8...</small>	30 December 2022   5:44:29 PM PST <small>DD-MM-YY</small> Date
<b>Brian Sloat, Ph.D.</b> Chief Scientific Officer / Quality Manager Santé Laboratories	