

CERTIFICATE OF ANALYSISSTATUS: **RELEASED** REVISION: 01

DATE: 02/22/2022

Analysis ID No. 220541
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20220161
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CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name: Steding & Sons Mercantile	Submitted Sample Name: 1836 Kratom; Irene's Good Night, 4oz.
Address: 13200 Pond Springs Rd. #E39, Austin, Texas 78729 USA	Submitted Sample Lot: IG151918 B2
Phone Number: 512-704-3680	Submitted Sample Description: Botanical Powder in Retail Jar W/ Twist Cap; Stored at Rm Temp
Contact Name / Email: Jeremy Steding / info@1836kratom.com	Submitted Sample Product Type / Matrix: Kratom Powder / 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	1.026 w/w% 10.261 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.207 w/w% 2.069 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.159 w/w% 1.590 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.370 w/w% 3.701 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%	< 0.01 w/w%	PASS
Mitrephylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.01 w/w%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.010 w/w% 0.097 mg/g	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.015 w/w% 0.150 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	1.787 w/w% 17.867 mg/g	Results Reported

HEAVY METALS					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	605.1 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	20.1 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	23.1 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	298.7 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	10 ppb	NMT 200,000 ppb	2,275.6 ppb	PASS

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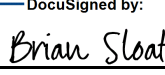
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MICROBIOLOGICAL ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Total Aerobic Plate Count (TAPC)	Isolation Agar	20 CFU/gm	NMT 10,000,00 CFU/gm	278,500 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	95,000 CFU/gm	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	4,900 CFU/gm	PASS
Escherichia coli (E.coli)	Isolation Agar	1 CFU/10g	Absent in 10 gm	Absent	PASS
Salmonella	Isolation Agar	1 CFU/10g	Absent in 10 gm	Absent	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 220541 Receipt Date: 02/10/2022 / 09:19 AM CST / M. Cardona Receipt Condition: Good Analysis Start Date: 02/14/2022

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. 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, except salmonella due to limited material. TNTC = Too Numerous To Count and exceed specification limits. ©2021 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	02/18/2022	Initial Release
01	02/22/2022	Updated Microbiology Results

REVIEWED AND APPROVED BY	
DocuSigned by:  Brian Sloat, Ph.D. 1DA7685D65C740B... Chief Scientific Officer / Quality Manager Santé Laboratories	22 February 2022 6:44:38 PM PST Date DD-MM-YY

PRODUCT SAMPLE / IMAGE
