

**CERTIFICATE OF ANALYSIS**STATUS: **RELEASED** REVISION: 00

DATE: 02/07/2022

Analysis ID No. 220305  
TDA License No. 2020002  
ISO/IEC No. 1055838  
Purchase Order: 20220083  
Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
<b>Company Name:</b>	<b>Submitted Sample Name:</b>
Steding & Sons Mercantile	Sand Panther's Super Gold For Mellow Cats, 4 oz / 112 g
<b>Address:</b>	<b>Submitted Sample Lot:</b>
13200 Pond Springs Rd. #E39, Austin, Texas 78729 USA	SP151918 B2
<b>Phone Number:</b>	<b>Submitted Sample Description:</b>
512-704-3680	Powder in Retail, Mylar Pouch W/ Twist Cap; Stored at Rm Temp
<b>Contact Name / Email:</b>	<b>Submitted Sample Product Type / Matrix:</b>
Jeremy Steding / info@1836kratom.com	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	1.161 w/w% 11.609 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.232 w/w% 2.323 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.184 w/w% 1.841 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.451 w/w% 4.509 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
Mitraphylline	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% 0.102 mg/g	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.023 w/w% 0.229 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	2.061 w/w% 20.612 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	653.1 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	21.9 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	22.9 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	333.3 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	10 ppb	NMT 200,000 ppb	2,163.4 ppb	PASS

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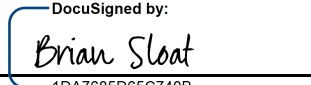
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MICROBIOLOGICAL ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Total Aerobic Plate Count (TAPC)	Isolation Agar	20 CFU/gm	NMT 10,000,000 CFU/gm	86,000 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	74,500 CFU/gm	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	7,500 CFU/gm	PASS
Escherichia coli (E.coli)	Isolation Agar	1 CFU/10g	Absent in 10 gm	Absent	PASS
Salmonella	Isolation Agar	1 CFU/25g	Absent in 25 gm	Absent	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> 220305 <b>Receipt Date:</b> 01/24/2022 / 05:06 PM CST / M. Cardona <b>Receipt Condition:</b> Good <b>Analysis Start Date:</b> 01/31/2022

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 specification according to oral drug products per USP &lt;232&gt;.</b> Microbiological specifications follow AHPA guidelines for botanical extracts. ©2021 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	02/07/2022	Initial Release

REVIEWED AND APPROVED BY	
DocuSigned by:  <b>Brian Sloat, Ph.D.</b> Chief Scientific Officer / Quality Manager Santé Laboratories	07 February 2022   5:52:35 PM PST Date

PRODUCT SAMPLE / IMAGE
