



# CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 10/14/2020

Analysis ID No. 201603  
 TDA License No. 2020002  
 ISO/IEC No. 1055838  
 Customer No. 20201485  
 Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
<b>Company Name:</b>	<b>Submitted Sample Name:</b>
Steding & Sons	1836 Kratom Texas Red
<b>Address:</b>	<b>Submitted Sample Lot:</b>
13200 Pond Springs Rd, STE E40; Austin, TX 78729 USA	TA131904
<b>Phone Number:</b>	<b>Submitted Sample Description:</b>
512-704-3680	Kratom Powder In Mylar Pouch, Arrived/Stored At Room T.
<b>Contact Name / Email:</b>	<b>Submitted Sample Product Type / Matrix:</b>
August Day / august@1836kratom.com	Kratom Plant Matter / Powder

ALKALOIDS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Mitaphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	<LOQ	Results Reported
7-OH-Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only % Total Alkaloids: NMT 2%	<LOQ	PASS
Isorynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	<LOQ	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.135 w/w% 1.35 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.131 w/w% 1.31 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.207 w/w% 2.07 mg/g	Results Reported
Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.926 w/w% 9.26 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	1.398 w/w% 13.98 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	204.8 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	19.3 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	103.1 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	25.2 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	10 ppb	NMT 200,000 ppb	4,199.0 ppb	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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MICROBIOLOGICAL					
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	332,000 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	24,000 CFU/gm	PASS
Escherichia coli (E.coli)	Isolation Agar	1 CFU/25g	Absent in 10g	Absent	PASS
Salmonella	Isolation Agar	1 CFU/25g	Absent in 25g	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> 201603 <b>Receipt Date:</b> 10/08/2020 / 4:16 PM / S. ORTEGA <b>Receipt Condition:</b> Good <b>Analysis Start Date:</b> 10/09/2020

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. Microbiological specifications follow AHPA guidelines for botanical ingredients. ©2020 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	10/14/2020	Initial Release

PRODUCT SAMPLE / IMAGE

REVIEWED AND APPROVED BY		
DocuSigned by: 	10/14/2020	DD-MM-YY
<b>Brian Sloat, Ph.D.</b> Chief Scientific Officer / Quality Manager Santé Laboratories <small>1DA7685D65C740B...</small>	Date	