

## **CERTIFICATE OF ANALYSIS**

**STATUS: RELEASED REVISION: 00** DATE: 09/30/2020

Analysis ID No. 201437 TDA License No. 2020002 ISO/IEC No. 1055838 **Customer No.** 20201421 Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name:	Submitted Sample Name:
Steding & Sons Mercantile	RB200902
Address:	Submitted Sample Lot:
PO Box 200085; Austin, TX 78720 USA	Not Provided
Phone Number:	Submitted Sample Description:
512-704-3680	Kratom Powder In Zip Loc Bag; Arrived/Stored at Room T.
Contact Name / Email:	Submitted Sample Product Type / Matrix:
Jeremy Steding / jeremy@1836kratom.com	Kratom Plant Matter / Leaf Powder

KRATOM ALKALOIDS					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Mitaphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	ND	Results Reported
7-OH-Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only % Total Alkaloids: NMT 2%	ND	PASS
Isorynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.047 w/w% 0.47 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.063 w/w% 0.63 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.074 w/w% 0.74 mg/g	Results Reported
Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.588 w/w% 5.88 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.300 w/w% 3.00 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	1.071 w/w% 10.71 mg/g	Results Reported

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	151,000 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	8.040 CFU/gm	PASS
Escherichia coli (E.coli)	Isolation Agar	1 CFU/25g	Absent	ND	PASS
Salmonella	Isolation Agar	1 CFU/25g	Absent	ND	PASS

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

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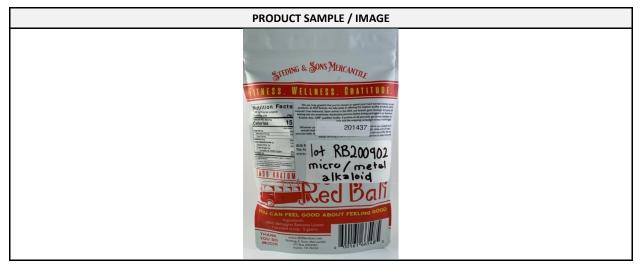
	HEAVY METALS					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail	
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	370.7 ppb	PASS	
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	19.9 ppb	PASS	
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	435.8 ppb	PASS	
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	38.4 ppb	PASS	
Nickel	USP <232> <233> by ICP-MS	10 ppb	NMT 200,000 ppb	3,989.0 ppb	PASS	

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories	Santé Sample ID: 201437
8201 East Riverside Drive, STE 650	Receipt Date: 09/22/2020 / 11:20 AM / S. ORTEGA
Austin, Texas 78744 USA	Receipt Condition: Good Analysis Start Date: 09/22/2020

## 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	Version Effective Date Summary of Changes		
00	09/30/2020	Initial Release	



REVIEWED AND APPROVED BY					
	DocuSigned by:				
	Brian R Sloat	9/30/2020	DD-MM-YY		
Brian Sloat, Ph.D.	51277B7C6FDA460	Date			
Chief Scientific Officer / Quality Manager					
Santé Laboratories					

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