



# CERTIFICATE OF ANALYSIS

Analysis ID No. 222399

TDA License No. 2020002

ISO/IEC No. 1055838

STATUS: **RELEASED** REVISION: 00

Purchase Order: 20220660

DATE: 06/03/2022 Page No. Page 1 of 2

SAMPLE INFORMATION	
<b>Submitted Sample Name:</b>	Kratom Powder
<b>Submitted Sample Lot:</b>	05242209
<b>Submitted Sample Description:</b>	Green Powder in Sealed Mylar Pouch; Stored at Rm Temp
<b>Submitted Sample Product Type / Matrix:</b>	Kratom Extract / 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	1.533 w/w% 15.333 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.354 w/w% 3.543 mg/g	Results Reported
Speciogyne	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.220 w/w% 2.202 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.429 w/w% 4.295 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%	0.007 w/w% 0.066 mg/g 0.26% of Total	PASS
Mitraphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.010 w/w%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.011 w/w% 0.109 mg/g	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.029 w/w% 0.289 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	2.584 w/w% 25.838 mg/g	Results Reported

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	30 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	< LOQ	PASS

Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 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 - Telephone: 512-309-5830 - Website: www.santelabs.com

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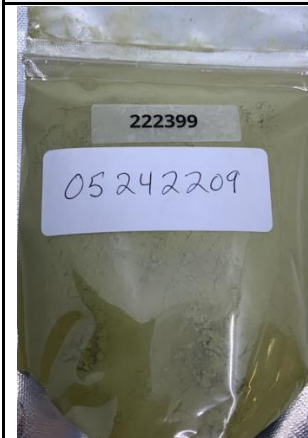
HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1000 ppb	511.7 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	23.5 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1500 ppb	191.3 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	25.4 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	3,646.3 ppb	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> 222399 <b>Receipt Date:</b> 05/26/2022 / 3:00 PM CST / P Steinberg <b>Receipt Condition:</b> Good <b>Analysis Start Date:</b> 06/01/2022

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;. Microbiological specifications follow AHPA guidelines for botanical ingredients (non-extract).</b> ©2020 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	06/03/2022	Initial Release

PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

DocuSigned by:  
*Brian Sloat*  
1DA7685D65C740B...

03 June 2022 | 5:46:50 PM PDT

Brian Sloat, Ph.D.

Date

DD-MM-YY

Chief Scientific Officer / Quality Manager  
Santé Laboratories

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