



# CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 01

DATE: 01/19/2023

Analysis ID No. 225002  
 TDA License No. 2020002  
 ISO/IEC No. 1055838  
 Purchase Order: 20221363  
 Page No. Page 1 of 2

SAMPLE INFORMATION	
<b>Submitted Sample Name:</b>	Remarkable Herbs Red Vein Maeng Da Kratom Powder
<b>Submitted Sample Lot:</b>	N/A
<b>Submitted Sample Description:</b>	Tan powder in sealed plastic bag w labeling ; Stored at RT
<b>Submitted Sample Product Type / Matrix:</b>	Kratom Leaf / Powder

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	< LOQ	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

HEAVY METALS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1000 ppb	591.9 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	15.6 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1500 ppb	153.2 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	18.6 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	1,667.8 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> 225002 <b>Receipt Date:</b> 11/03/2022 / 09:00 AM CST / M. Husain <b>Receipt Condition:</b> Good <b>Analysis Start Date:</b> 11/04/2022

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	01/09/2023	Initial Release
01	01/19/2023	Separation of Alkaloids Assay and Contact Information Update

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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## PRODUCT SAMPLE / IMAGE



## REVIEWED AND APPROVED BY

DocuSigned by:  
*Yvonne Rivera*

**Yvonne Rivera**  
Data Management Specialist  
Santé Laboratories

19 January 2023 | 2:22:39 PM PST

Date