



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 01

DATE: 01/19/2023

Analysis ID No. 225026
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Purchase Order: 20221363
 Page No. Page 1 of 2

SAMPLE INFORMATION	
Submitted Sample Name:	OPMS Black Liquid Kratom Extract
Submitted Sample Lot:	N/A
Submitted Sample Description:	Amber liquid in retail labeled plastic vial; Stored at RT
Submitted Sample Product Type / Matrix:	Kratom Extract / Liquid

MICROBIOLOGICAL ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Total Aerobic Plate Count (TAPC)	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	< LOQ	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 1,000 CFU/gm	< LOQ	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 100 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/10 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	< LOQ	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	< LOQ	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1500 ppb	< LOQ	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	< LOQ	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 200,000 ppb	267.4 ppb	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 225026 Receipt Date: 11/03/2022 / 09:00 AM CST / M. Husain Receipt Condition: Good Analysis Start Date: 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. Heavy metal specifications according to limits defined by Texas DSHS for consumable hemp. Nickel specification according to oral drug products per USP <232>. Microbiological specifications follow AHPA guidelines for botanical extract. * Density = 1.108 g/mL. ©2020 Santé Laboratories, LLC – All Rights Reserved



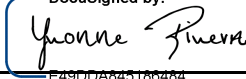
CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 01
DATE: 01/19/2023

Analysis ID No. 225026
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20221363
Page No. Page 2 of 2

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	01/10/2023	Initial Release
01	01/19/2023	Separation of Alkaloids Assay and Contact Information Update.



REVIEWED AND APPROVED BY	
<p>DocuSigned by:  <small>E49DDA845186484...</small></p> <hr/> <p>Yvonne Rivera Data Management Specialist Santé Laboratories</p>	<p>19 January 2023 2:22:39 PM PST</p> <hr/> <p>Date</p>