



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 01

DATE: 04/06/2022

Analysis ID No. 221035
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Customer No. 20220282
 Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name: Ketoret Bionaturals Inc.	Submitted Sample Name: Kratom Leaf Powder
Address: 1762 NE 205th Ter.; Miami, Florida 33179 USA	Submitted Sample Lot: White
Phone Number: 954-655-8649	Submitted Sample Description: Green Powder In Black Mylar Pouch; Stored Rm Temp
Contact Email: David Dweck / ddweck@ketoretbio.com	Submitted Sample Product Type / Matrix: Kratom Powder / Plant Matter

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	1.542 w/w% 15.422 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.301 w/w% 3.013 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.222 w/w% 2.223 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.394 w/w% 3.942 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%	< 0.01 w/w%	PASS
Mitraphylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.01 w/w%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.021 w/w% 0.210 mg/g	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.084 w/w% 0.837 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	2.565 w/w% 25.648 mg/g	Results Reported

MICROBIOLOGICAL ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Total Aerobic Plate Count (TAPC)	Isolation Agar	10 CFU/gm	NMT 10,000,000 CFU/gm	70,000 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	10 CFU/gm	NMT 100,000 CFU/gm	14,000 CFU/gm	PASS
Coliforms	Isolation Agar	10 CFU/gm	NMT 10,000 CFU/gm	4,250 CFU/gm	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 10 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					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	779.0 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	18.5 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	348.7 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	25.9 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	10 ppb	NMT 200,000 ppb	6,816.3 ppb	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 221035 Receipt Date: 03/04/2022 / 01:51 PM CST / M CARDONA Receipt Condition: Good Analysis Start Date: 03/04/2022

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. ©2020 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	03/07/2022	Initial Release
01	04/06/2022	Addition of Heavy Metals and Microbiological Assay

PRODUCT SAMPLE / IMAGE


REVIEWED AND APPROVED BY		
DocuSigned by:  1DA7685D65C740B...	06 April 2022 6:21:56 PM PDT Date	DD-MM-YY
Brian Sloat, Ph.D. Chief Scientific Officer / Quality Manager Santé Laboratories		