ALKALOID SUMMARY - Per 1 g of tested powder

Kratom powder | Lot WC41-G

Supplemental calculation from this COA; not issued or certified by the laboratory.

Total mitragynine	**15.868 mg**
Total 7-hydroxymitragynine	**< 0.100 mg**
Alkaloid ratio (mitragynine : 7-OH)	**> 158 : 1***
Mitragynine concentration	**15.868 mg/g**
7-OH mitragynine concentration	**< 0.100 mg/g**

< indicates the quantitation limit, not a measured amount or zero.
* Ratio is a conservative lower bound if 7-OH > 0; at zero, the ratio is undefined.
mg/g = w/w% x 10, or the lab-reported mg/g. No prepared-liquid volume is given; mg/mL is not calculated.

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Santé LABORATORIES

CERTIFICATE OF ANALYSIS

STATUS: RELEASED **REVISION**: 01
DATE: 08/17/2023

Analysis ID No. 232436
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20230576

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name:	**Submitted Sample Name:**
Ketoret Bionaturals Inc	RAW P GREEN
Address:	**Submitted Sample Lot:**
1762 NE 205th Ter, Miami, FL 33179	WC41-G
Phone Number:	**Submitted Sample Description:**
800-723-2397	Green Powder in Resealable Bag; Stored at RT
Contact Name / Email:	**Submitted Sample Product Type / Matrix:**
Eli / Eli@ketoretbio.com	Kratom Leaf / 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	1.587 w/w% 15.868 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.267 w/w% 2.670 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.232 w/w% 2.318 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.409 w/w% 4.090 mg/g	Results Reported
7-OH-Mitragynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only % of Total Alkaloids: NMT 2%	< 0.010 w/w%	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	< 0.010 w/w%	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	< 0.010 w/w%	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	2.495 w/w% 24.946 mg/g	Results Reported

HEAVY METALS ASSAY

Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	829.8 ppb	PASS
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	15.1 ppb	PASS
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	168.5 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	20.1 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 20,000 ppb	2,772.8 ppb	PASS

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CERTIFICATE OF ANALYSIS

STATUS: RELEASED **REVISION:** 01
DATE: 08/17/2023

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	2,895 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	80 CFU/gm	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	343 CFU/gm	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

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	**Santé Sample ID:** 232436 **Receipt Date:** 08/04/2023 / 10:00 AM CST / P. Steinberg **Receipt Condition:** Good **Analysis Start Date:** 08/07/2023

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 ingredients (non-extract)**

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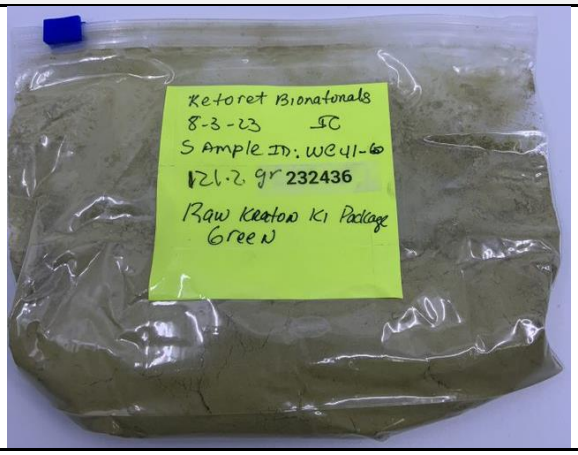
VERSION HISTORY		
Version	**Effective Date**	**Summary of Changes**
00	08/16/2023	Initial Release
01	08/17/2023	Microbiological Assay Added

PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

DocuSigned by:
Yvonne Rivera
E49DDA845186484...

Yvonne Rivera
Data Management Specialist
Santé Laboratories

17 August 2023 | 2:25:56 PM PDT
Date

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