ALKALOID SUMMARY - Per 1 g of tested powder

Kratom powder | Lot WC30 GREEN

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

Total mitragynine	**12.605 mg**
Total 7-hydroxymitragynine	**< 0.100 mg**
Alkaloid ratio (mitragynine : 7-OH)	**> 126 : 1***
Mitragynine concentration	**12.605 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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CERTIFICATE OF ANALYSIS

STATUS: RELEASED **REVISION**: 00
DATE: 07/21/2023

Analysis ID No.	232138
TDA License No.	2020002
ISO/IEC No.	1055838
Purchase Order:	20230530
Page No.	Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name:	**Submitted Sample Name:**
Ketoret Bionaturals Inc	Raw Pwdr
Address:	**Submitted Sample Lot:**
1762 NE 205th Ter, Miami, FL 33179	WC30 GREEN
Phone Number:	**Submitted Sample Description:**
800-723-2397	Green Powder in Resealable Bag; Stored at RT
Contact Name / Email:	**Submitted Sample Product Type / Matrix:**
David Dweck / ddweck@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	1.261 w/w% 12.605 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.230 w/w% 2.298 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.191 w/w% 1.909 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.473 w/w% 4.734 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	2.155 w/w% 21.546 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	533.8 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 1,500 ppb	248.4 ppb	PASS
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	16.6 ppb	PASS
Nickel	USP <232> <233> by ICP-MS	50 ppb	NMT 20,000 ppb	3,723.6 ppb	PASS

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Purchase Order:	20230530
Page No.	Page 2 of 2

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	**Santé Sample ID:** 232138 **Receipt Date:** 07/13/2023 / 04:00 PM CST / K. Cobbett **Receipt Condition:** Good **Analysis Start Date:** 07/14/2023

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>.**
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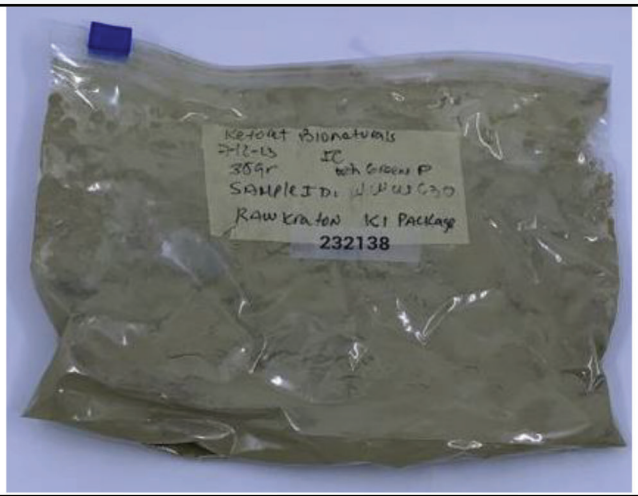
VERSION HISTORY

Version	Effective Date	Summary of Changes
00	07/21/2023	Initial Release

PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

DocuSigned by:
Yvonne Rivera
E49DDA845186484...

Yvonne Rivera
Data Management Specialist
Santé Laboratories

21 July 2023 | 1:42:05 PM PDT
Date

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