

STEDING & SONS MERCANTILE

1836 KRATOM

FITNESS. WELLNESS. GRATITUDE.



NOTES:

Shangri La La - 151907

First Test - 12/2019

2nd Test - 04/2022

This package predates regular alkaloid testing, but the numbers are right on par with a current *Shangri La La*, even after almost 2.5 years! Please note, this package has been through the ringer! This package was shipped to a store, sat in a store, was shipped back to us and then in a hot storage unit, in Austin, TX for *two years* due to the company name change. This is one of the last packages created before the brand name change!

This test showed almost a strong, solid alkaloid count and showed *lower* microbiological levels!
Nice!



ARL

Analytical Resource Laboratory

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Certificate of Analysis

Client Information

Quantum Botanicals
USA

Sample Information


ARL ID: 318790
Date Received: 12/23/2019
Description: Quantum Kratom
Lot#: 151907

Analysis	Method	MDL	Specification	Results	UOM
Complete Micro Profile	USP, AOAC				
Total Plate Count	USP <2021>	100	Record Only	470,000	cfu's/g
Coliforms	AOAC 991.14	10	Record Only	>25,000	cfu's/g
E. coli	USP <2022>	Absent	Record Only	Absent	cfu's/10g
Staphylococcus aureus	USP <2022>	Absent	Record Only	Absent	cfu's/10g
Salmonella	USP <2022>	Absent	Record Only	Absent	cfu's/10g
Yeast	USP <2021>	100	Record Only	7,000	cfu's/g
Mold	USP <2021>	100	Record Only	14,000	cfu's/g
Heavy Metals	ARL ICPMS 2.60				
Arsenic (As)	ARL ICPMS 2.60	0.001	Record Only	0.052	ppm
Cadmium (Cd)	ARL ICPMS 2.60	0.001	Record Only	0.072	ppm
Mercury (Hg)	ARL ICPMS 2.60	0.001	Record Only	0.015	ppm
Lead (Pb)	ARL ICPMS 2.60	0.001	Record Only	0.665	ppm

Form# arlcoa031201a

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experience • professionalism • value


Released by: Kara Woodbury
Dec 30, 2019
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* ARL is an ISO/IEC 17025:2005 Accredited Laboratory. Certificate and Supplement available upon request.

This Certificate of Analysis represents data only for the sample provided and does not constitute a guarantee of quality for the entire production lot.

CERTIFICATE OF ANALYSISSTATUS: **RELEASED** REVISION: 01

DATE: 03/31/2022

Analysis ID No. 221230
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20220330
Page No. Page 1 of 2

CUSTOMER INFORMATION	SAMPLE INFORMATION
Company Name:	Submitted Sample Name:
Steding & Sons Mercantile	Quantum Leaf Botanicals, Shangri La La
Address:	Submitted Sample Lot:
13200 Pond Springs Rd. #E39, Austin, Texas 78729 USA	151907
Phone Number:	Submitted Sample Description:
512-704-3680	Botanical Powder in Pouch; Stored at Room Temp
Contact Name / Email:	Submitted Sample Product Type / Matrix:
Jeremy Steding / info@1836kratom.com	Kratom Powder / 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	1.312 w/w% 13.117 mg/g	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.282 w/w% 2.822 mg/g	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.209 w/w% 2.089 mg/g	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.351 w/w% 3.509 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%	< 0.010 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	0.029 w/w% 0.285 mg/g	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	0.076 w/w% 0.761 mg/g	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only	2.258 w/w% 22.584 mg/g	Results Reported

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	235,000 CFU/gm	PASS
Total Yeast & Mold (TYM)	Isolation Agar	20 CFU/gm	NMT 100,000 CFU/gm	4,263 CFU/gm	PASS
Coliforms	Isolation Agar	20 CFU/gm	NMT 10,000 CFU/gm	1,023 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

CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 01

DATE: 03/31/2022

Analysis ID No. 221230
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20220330
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TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA	Santé Sample ID: 221230 Receipt Date: 03/17/2022 / 05:04 PM CST / M. Cardona Receipt Condition: Good Analysis Start Date: 03/17/2022

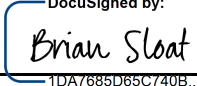
ADDITIONAL REPORT NOTES

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. **Microbiological specifications follow AHPA guidelines for botanical ingredients (non-extract).** ©2021 Santé Laboratories, LLC – All Rights Reserved

VERSION HISTORY

Version	Effective Date	Summary of Changes
00	03/29/2022	Initial Release
01	03/31/2022	Inclusion of microbiology data

REVIEWED AND APPROVED BY

DocuSigned by:  1DA7685D65C740B...	31 March 2022 5:48:08 PM PDT DD-MM-YY Date
Brian Sloat, Ph.D. Chief Scientific Officer / Quality Manager Santé Laboratories	

PRODUCT SAMPLE / IMAGE

