



Analytical Resource Laboratories

47-2854223  
520 South 850 East, Suite B3  
Lehi, UT 84043  
801-847-7722  
www.analyticalresource.com  
info@yourqualitylab.com

## Certificate of Analysis

### Client Information

Christopher's Organic Botanicals  
PO Box 281  
Deepwater, NJ  
08023 USA

### Sample Information


ARL ID: 596350  
Date Received: 4/18/2022  
Description: White Maeng Da 150624  
Lot#: D20  
Expiration Date: 12/24  
Serving Size: 2 g

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
Kratom 4AL Profile						1
Complete Micro Profile	USP, AOAC					1
Total Plate Count (High Count)	USP <2021>	100	Record Only	90,000	cfu's/g	1
Coliforms	AOAC 991.14	100	Record Only	None Detected	cfu's/g	1
E. coli	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
E. coli 0157:H7	AOAC 991.14	10	Absent	Absent	cfu's/g	1
Staphylococcus aureus	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Salmonella	USP <2022>	Absent	Record Only	Absent	cfu's/10g	1
Yeast (High Count)	USP <2021>	100	Record Only	None Detected	cfu's/g	1
Mold (High Count)	USP <2021>	100	Record Only	None Detected	cfu's/g	1
Listeria Species	AOAC RI	Absent	Record Only	Absent	cfu's/25g	1
Heavy Metals	ARL ICPMS 8.016					1
Arsenic (As)	ARL ICPMS 8.016	0.001	Record Only	0.141	ppm	1

Form# arlcoa031201a

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May 5, 2022  
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†**Method Detection Limit (MDL)**: In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None detected", it means any visible growth was below this limit. **Limit of Quantitation (LOQ)**: In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

\* Under accreditation number 77504, ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and scope are also 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.



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Cadmium (Cd)	ARL ICPMS 8.016	0.001	Record Only	0.015	ppm	1
Mercury (Hg)	ARL ICPMS 8.016	0.001	Record Only	0.012	ppm	1
Lead (Pb)	ARL ICPMS 8.016	0.001	Record Only	0.507	ppm	1
Kratom Alkaloids	HPLC 2.046					1
Mitragynine	HPLC 2.046	0.1	Record Only	0.7	%	1
7-Hydroxy-Mitragynine	HPLC 2.046	0.04	Record Only	<0.04	%	1
Speciogynine	HPLC 2.046	0.1	Record Only	0.1	%	1
Paynantheine	HPLC 2.046	0.1	Record Only	0.1	%	1

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