



Analytical Resource Laboratories

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## Certificate of Analysis

### Client Information

MitraMan Botanicals  
PO Box 8305  
Round Rock, TX  
78664 USA  
601.988.5060

### Sample Information

ARL ID: 623386  
Date Received: 8/18/2022  
Description: Yellow MD MitraManGeneral  
Lot#: 0822

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
K2A Profile, Pathogenic E. coli						1
Complete Micro Profile	USP, AOAC					1
Total Plate Count (High Count)	USP <2021>	100	< 10 Million	58,000	cfu's/g	1
Coliforms	AOAC 991.14	100	< 18,000	500	cfu's/g	1
Pathogenic E. coli	AOAC RI	Absent	Absent	Absent	cfu's/10g	1
Staphylococcus aureus	USP <2022>	Absent	Absent	Absent	cfu's/10g	1
Salmonella	USP <2022>	Absent	Absent	Absent	cfu's/10g	1
Yeast (High Count)	USP <2021>	100	< 100,000	None Detected	cfu's/g	1
Mold (High Count)	USP <2021>	100	< 100,000	7,000	cfu's/g	1
Heavy Metals	ARL ICPMS 8.016					1
Arsenic (As)	ARL ICPMS 8.016	0.001	< 1	0.205	ppm	1
Cadmium (Cd)	ARL ICPMS 8.016	0.001	< 0.5	0.033	ppm	1
Mercury (Hg)	ARL ICPMS 8.016	0.001	< 0.5	0.029	ppm	1

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Aug 23, 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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Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
Lead (Pb)	ARL ICPMS 8.016	0.001	< 1	0.370	ppm	1
Mitragynine Package	HPLC 2.046					1
Mitragynine	HPLC 2.046	0.04	Record Only	1.22	%	1
7-Hydroxy-Mitragynine	HPLC 2.046	0.04	Record Only	<0.04	%	1

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