



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

### Arete Manufacturing

1077 S. 1675 W.  
Orem, UT 84058  
USA  
661-444-7179

## Sample Information

ARL ID: 685496  
Date Received: 6/29/2023  
Date Tested: 7/5/2023  
Description: MIT45 Ultramit  
Lot#: 0831

## Results

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
<u>K2A Profile</u>						1
<u>Complete Micro Profile</u>	USP, AOAC					1
Total Plate Count (High Count)	USP <2021>	10	Record Only	None Detected	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
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>	10	Record Only	None Detected	cfu's/g	1
Mold (High Count)	USP <2021>	10	Record Only	None Detected	cfu's/g	1
<u>Heavy Metals</u>	ARL ICPMS 8.016					1
Arsenic (As)	ARL ICPMS 8.016	0.001	Record Only	< 0.001	ppm	1
Cadmium (Cd)	ARL ICPMS 8.016	0.001	Record Only	0.002	ppm	1
Mercury (Hg)	ARL ICPMS 8.016	0.001	Record Only	< 0.001	ppm	1
Lead (Pb)	ARL ICPMS 8.016	0.001	Record Only	0.016	ppm	1
<u>Mitragynine Package</u>	ARL 2.046					1
Mitragynine	ARL 2.046	0.03	Record Only	1.10	%	1
7-Hydroxy-Mitragynine	ARL 2.046	0.04	Record Only	<0.04	%	1
Specific Gravity	ARL 2.006	0.01	Record Only	1.19	g/mL	1

Form: arlcoa031201a Report: 685496

experience • professionalism • value

Released by: Spencer Ashby

Printed on: 7/5/2023 1:47:37 PM

Date Released: 7/5/2023

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

Page 1 of 2



Results

Analysis	Method	†MDL / LOQ	Specification	Results	UOM	Lab ID
----------	--------	------------	---------------	---------	-----	--------

†**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.**

