



Certificate of Analysis

Client Information

Arete Manufacturing

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

Sample Information

ARL ID: 687128
Date Received: 7/11/2023
Date Tested: 7/14/2023
Description: MIT45 Super K Extra Strong
Lot#: 0143

Results

Analysis	Method	[†] MDL / LOQ	Specification	Results	UOM	Lab ID
<u>K2A Profile (Rapid)</u>						1
<u>Complete Micro Profile (Rapid)</u>	USP <2021>, USP <2022>, AOAC 991.14, AOAC 2014.05					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 and Mold (High Count, Rapid)	AOAC RI	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	< 0.001	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	< 0.001	ppm	1
<u>Mitragynine Package</u>	ARL 2.046					1
Mitragynine	ARL 2.046	0.03	Record Only	0.98	%	1
7-Hydroxy-Mitragynine	ARL 2.046	0.04	Record Only	< 0.04	%	1
Specific Gravity	ARL 2.006	0.01	Record Only	1.15	g/mL	1



Results					
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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.

