



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: 687411  
Date Received: 7/12/2023  
Date Tested: 7/15/2023  
Description: Part #30038 Super K (12 Pack)  
Lot#: 0234

### Results

Analysis	Method	<sup>†</sup> 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	0.008	ppm	1
Lead (Pb)	ARL ICPMS 8.016	0.001	Record Only	0.012	ppm	1
<u>Mitragynine Package</u>	ARL 2.046					1
Mitragynine	ARL 2.046	0.03	Record Only	0.37	%	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: 687411  
Printed on: 7/17/2023 9:57:26 AM

experience • professionalism • value

Released by: Spencer Ashby  
Date Released: 7/17/2023

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

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ARL ID: 687411  
Description: Part #30038 Super K (12 Pack)  
Lot: 0234  
Serving Size:



# Results

Analysis	Method	<sup>†</sup> MDL / LOQ	Specification	Results	UOM	Lab ID
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## <sup>†</sup>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.

## <sup>†</sup>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.