

CERTIFICATE OF ANALYSIS

SAMPLE NAME: AEL0024
SAMPLE CODE: DTS-250127-027
CLIENT: ANTIDOTE EXTRACT LABS
BATCH RESULT: PASS



MATRIX NAME: Extract - Liquid
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Fri, Jan 31, 2025
PUBLISHED DATE: Wed, Feb 5, 2025
BATCH/LOT CODE: AEL0024
BATCH SIZE: N/A
SAMPLE SIZE: 1U
AVERAGE UNIT WEIGHT: 1.0442g (Density (g/mL))

MITRAGYNINE 8.28 mg / serv

TOTAL MAJOR ALKALOIDS 10.00 mg / serv

ALKU



Kratom Alkaloids
High Level

SOL



Residual Solvents
USP <467>

HVMET



Heavy Metals
4

APPROVALS

RESULTS REVIEWED BY:



Leslie Varela
Laboratory Director

Cambium Analytica
Wednesday, Feb 5, 2025

RESULTS CERTIFIED BY:



Douglas Smith
VP - Scientific Operations

Cambium Analytica
Wednesday, Feb 5, 2025

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ALKU

KRATOM ALKALOIDS - HIGH LEVEL

LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD

ALKU-DTS-250127-027-02 - WED, FEB 5, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.793 %	7.93 mg/g	8.28 mg	8.28 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0861 %	0.861 mg/g	0.90 mg	0.90 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.046 %	0.46 mg/g	0.48 mg	0.48 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.033 %	0.33 mg/g	0.34 mg	0.34 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.9581 %	9.581 mg/g	10.00 mg	10.00 mg	N/A	N/A	N/A	N/A





ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	5 ug/g	0.4 ug/g	1.00 ug/g	PASS
2-Methylbutane	ND	N/A	1.54 ug/g	5.14 ug/g	N/A
2-Methylpentane	ND	N/A	0.046 ug/g	0.154 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	0.98 ug/g	3.27 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	2.19 ug/g	7.32 ug/g	N/A
3-Methylpentane	ND	N/A	0.73 ug/g	2.44 ug/g	N/A
Acetone	ND	5000 ug/g	1.57 ug/g	5.23 ug/g	PASS
Acetonitrile	ND	410 ug/g	1.85 ug/g	6.17 ug/g	PASS
Benzene	ND	2 ug/g	0.18 ug/g	0.50 ug/g	PASS
Butane	ND	N/A	1.68 ug/g	5.59 ug/g	N/A
Chloroform	ND	60 ug/g	0.78 ug/g	1.00 ug/g	PASS
Ethanol	ND	5000 ug/g	6.02 ug/g	20.1 ug/g	PASS
Ethyl Acetate	ND	5000 ug/g	1.95 ug/g	6.49 ug/g	PASS
Ethyl Ether	ND	5000 ug/g	1.37 ug/g	4.55 ug/g	PASS
Ethylene Oxide	ND	N/A	0.15 ug/g	0.49 ug/g	N/A
Heptane	ND	5000 ug/g	1.31 ug/g	4.37 ug/g	PASS
Hexane	ND	290 ug/g	1.42 ug/g	4.74 ug/g	PASS
Isobutane	ND	N/A	1.6 ug/g	5.34 ug/g	N/A
Isopropyl Alcohol	ND	N/A	4.9 ug/g	16.3 ug/g	N/A
Methanol	ND	3000 ug/g	7.89 ug/g	26.4 ug/g	PASS
Methylene Chloride	ND	600 ug/g	1.36 ug/g	4.53 ug/g	PASS
Neopentane	ND	N/A	1.49 ug/g	4.97 ug/g	N/A
Pentane	ND	5000 ug/g	1.46 ug/g	4.87 ug/g	PASS
Propane	ND	N/A	1.95 ug/g	6.51 ug/g	N/A
Toluene	ND	890 ug/g	1.88 ug/g	6.26 ug/g	PASS
Total Xylenes	ND	2170 ug/g	2.02 ug/g	6.72 ug/g	PASS
Trichloroethylene	ND	80 ug/g	0.29 ug/g	0.96 ug/g	PASS
Butanes (Sum of Butane and Isobutane)	0 ug/g	N/A	N/A	N/A	N/A
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	0 ug/g	290 ug/g	N/A	N/A	PASS
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	0 ug/g	5000 ug/g	N/A	N/A	PASS





ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.125 ug/g	0 mg/g	0.13 ug	0.13 ug	1.5 ug/g	0.198 ug/kg	0.662 ug/kg	PASS
Cadmium	0.001 ug/g	0 mg/g	0.00 ug	0.00 ug	0.2 ug/g	0.082 ug/kg	0.272 ug/kg	PASS
Lead	ND	N/A	N/A	N/A	5.0 ug/g	0.155 ug/kg	0.515 ug/kg	PASS
Mercury	ND	N/A	N/A	N/A	1.0 ug/g	0.017 ug/kg	0.057 ug/kg	PASS

