




CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	12/17/2024 & 12/26/2024	Batch(s):	B241217-4 & B241226-1
Received by:	JDR	Sample ID #:	2412-232 & 2412-364
Customer Name/ID:	Savage Enterprises	Date of Analysis/Testing:	12/30/24 - 1/2/25

Product/Sample Name	PureOHMS Sweet Grape	Lot #	N/A	
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Final Disposition	PASS	Method Group	Date	Unit Weight (g)	Disposition
		Kratom Alkaloids	12/17/2024	0.3444	N/A
		Volatile Solvents	12/31/2024		PASS
		Heavy Metals	12/30/2024		PASS
		Microbiological	1/2/2025		PASS

Method Group	Analyte / Property	LOD (mg/g)	LOQ (mg/g)	Results (%)	Results (mg/g)	Results (mg/Unit)	Acceptance Criteria	Disposition
Kratom Alkaloids	Mitragynine	0.125	0.2604	0.11%	1.08	0.37	N/A	N/A
	Mitragynine Pseudoindoxyl*	0.125	0.2604	0.10%	0.96	0.33		
	7OH-Mitragynine	0.125	0.2604	5.68%	56.81	19.56		
	Paynantheine	0.125	0.2604	ND	N/A	N/A	N/A	N/A
	Speciogynine	0.125	0.2604	0.03%	0.28	0.10		
	Speciosciltane	0.125	0.2604	0.07%	0.67	0.23		
	Mitraphylline	0.125	0.2604	ND	N/A	N/A		
	Isorhynchophylline	0.125	0.2604	ND	N/A	N/A	N/A	N/A
Total Alkaloids				5.98%	59.80	20.59		N/A

Method Group	Analyte / Property	LOD (mg/g)	LOQ (mg/g)	Results (ug/g)	Results (ug/Unit)	Limit Amount (ug/g)	Disposition
Volatile Solvents (Category 1)	1,2-Dichloroethane	0.170	0.509	ND	N/A	1	PASS
	Benzene	0.021	0.064	ND	N/A	1	PASS
	Chloroform	0.036	0.108	0.044	0.015	1	PASS
	Ethylene Oxide	0.153	0.579	ND	N/A	1	PASS
	Methylene Chloride	0.127	0.729	ND	N/A	1	PASS
	Trichloroethene	0.018	0.145	ND	N/A	1	PASS
Volatile Solvents (Category 2)	Acetone	17.082	51.246	ND	N/A	5000	PASS
	Acetonitrile	0.120	0.359	ND	N/A	410	PASS
	Butane	0.971	4.849	ND	N/A	5000	PASS
	Ethanol	2.614	7.843	61.1	21.0	5000	PASS
	Ethyl Acetate	0.313	2.288	804	277	5000	PASS
	Diethyl Ether	1.183	3.548	ND	N/A	5000	PASS
	Heptane	0.687	2.859	ND	N/A	5000	PASS
	Hexane	0.066	0.281	ND	N/A	290	PASS
	Isopropanol	1.280	3.840	25.4	8.75	5000	PASS
	Methanol	2.972	8.917	17.1	5.89	3000	PASS
	Pentane	0.962	4.271	ND	N/A	5000	PASS
	Propane	4.434	13.302	ND	N/A	5000	PASS
	Toluene	0.088	0.864	48.3	N/A	890	PASS
	Xylenes (-m + -o + -p)	0.216	2.572	3.95	1.36	2170	PASS

Method Group	Analyte / Property	LOD (mg/g)	LOQ (mg/g)	Results (ug/g)	Results (ug/Unit)	Limit Amount (ug/g)	Disposition
Heavy Metals	Arsenic	0.003	0.009	0.0723	0.0249	0.2	PASS
	Cadmium	0.001	0.002	0.0349	0.0120	0.2	PASS
	Lead	0.001	0.004	0.0149	0.0051	0.5	PASS
	Mercury	0.005	0.014	0.0025	0.0009	1	PASS

Method Group	Analyte / Property	LOD (CFU/g)	LOQ (CFU/g)	Results (CFU/g)	Results (CFU/Unit)	Limit Amount (CFU/g)	Disposition
Microbiological	Aerobic Plate Count	10	10	ND	N/A	N/A	PASS
	Total Coliform Bacteria	10	10	ND	N/A	N/A	PASS
	E. Coli	10	10	ND	N/A	N/A	PASS
	Yeast & Mold	10	10	ND	N/A	N/A	PASS

NOTES: <LOQ = Below limit of Quantitation / ND = Not Detected (Below limit of Detection (<LOD)) / 1ug/mL = 1ppm / 1000ug/mL = 1mg/mL / 1% = 10mg/g

Jake Rubenstein

Performed by/Date: _____ Digitally signed by Jake Rubenstein
 Date: 2025.01.14 14:47:29 -08'00'

Rebecca Dobkins

Checked by/Date: _____ Digitally signed by Rebecca Dobkins
 Date: 2025.01.14 14:47:42 -08'00'

Notes: This Certificate of analysis only reflects data for the samples indicated on this form, as received by NNA in a good condition. There have been no amendments to the data since publishing. This report contains all parts of the complete report.
 *Mitragynine pseudoindoxyl reported on this COA has had its method validated by NN Analytics, but not by ANAB, and is therefore not an ISO17025 accredited work item. All other analytes are included on NN Analytics' ISO17025 scope, and are accredited work items.

