




CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	11/12/2024	Batch(s):	B241112-9
Received by:	JDR	Sample ID #:	2411-155
Customer Name/ID:	7TABZ Distribution	Date of Analysis/Testing:	11/19/2024 - 12/4/2024

Product/Sample Name	Tropical	Lot #	109824	
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Final Disposition	PASS	Method Group	Date	Unit Weight (g)	Concentration (mg 7OH-Mit/Unit)	Kratom [7OH-Mit] g/g(%)	Disposition
		Kratom Alkaloids	11/19/2024	0.7108	15	2.11%	N/A
		Volatile Solvents	11/22/2024				PASS
		Heavy Metals	11/22/2024				PASS
		Microbiological	11/27/2024 - 12/4/2024				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	0.07%	0.72	0.51	N/A	N/A
	7OH-Mitragynine	0.125	0.2604	2.13%	21.33	15.16		PASS
	Paynantheine	0.125	0.2604	ND	N/A	N/A		PASS
	Speciogynine	0.125	0.2604	ND	N/A	N/A	N/A	PASS
	Specioscilitane	0.125	0.2604	<LOQ	N/A	N/A		PASS
	Mitraphylline	0.125	0.2604	ND	N/A	N/A		PASS
	Isorhynchophylline	0.125	0.2604	ND	N/A	N/A		PASS
		Total Alkaloids			2.20%	22.04	15.67	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	ND	N/A	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	<LOQ	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	ND	N/A	5000	PASS
	Ethyl Acetate	0.313	2.288	257	183	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	ND	N/A	5000	PASS
	Methanol	2.972	8.917	442	314	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	1.10	0.782	890	PASS
	Xylenes (-m + -o + -p)	0.216	2.572	ND	N/A	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	0.0125	0.0089	0.2	PASS
	Cadmium	0.001	0.002	0.0147	0.0104	0.2	PASS
	Lead	0.001	0.004	0.0233	0.0166	0.5	PASS
	Mercury	0.005	0.014	ND	N/A	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
	Salmonella	10	10	ND	N/A	N/A	PASS

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

Performed by/Date: _____

Checked by/Date: _____

Notes: This Certificate of analysis only reflects data for the samples indicated on this form, as received by NNA in a good condition. Revision 1 includes the salmonella test data completed on December 4th, 2024 & Revision 2 updates the lot number by customer request. This report contains all parts of the complete report.

