




CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	9/5/2025	Batch(s):	B250905-1
Received by:	LC	Sample ID #:	2509-054
Customer Name/ID:	GSMK GROUP, LLC	Date of Analysis/Testing:	9/5/2025

Product/ Sample Name	Fizzy-Original Shot	Lot #	N/A	
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Final Disposition	Method Group	Method ID	Date	Unit Volume (mL)	Analyte	Concentration (mg/Unit)	Concentration (mg/mL)	Disposition
N/A	Kratom Alkaloids	WKI-03-0107	9/5/2025	60	Mitragynine & Mitragynine Pseudoindoxyl	35	0.58	N/A
	Kavalactones	WKI-03-0111	9/5/2025	60	Kavalactones	150	2.50	N/A

Method Group	Analyte / Property	LOD (mg/mL)	LOQ (mg/mL)	Results (mg/mL)	Results (mg/Unit)	Acceptance Criteria	Disposition
Kratom Alkaloids	Mitragynine	0.0125	0.02604	0.891	53.44	N/A	N/A
	Mitragynine Pseudoindoxyl*	0.0125	0.02604	0.174	10.47		
	7OH-Mitragynine	0.0125	0.02604	ND	N/A		
	Paynantheine	0.0125	0.02604	0.104	6.24		
	Speciogynine	0.0125	0.02604	<LOQ	N/A		
	Speciociliatine	0.0125	0.02604	<LOQ			
	Mitraphylline	0.0125	0.02604	ND			
	Isorhynchophylline	0.0125	0.02604	ND			
	Total Alkaloids			1.17	70.15	N/A	

Method Group	Analyte / Property	LOD (mg/mL)	LOQ (mg/mL)	Results (mg/mL)	Results (mg/Unit)	Acceptance Criteria	Disposition
Kavalactones	Yangonin	3.31	3.31	1.23	73.86	N/A	N/A
	Desmethoxyyangonin	3.24	3.24	1.27	76.18		
	Methysticin	1.45	1.45	0.49	29.36		
	Dihydromethysticin	1.78	1.78	0.42	25.28		
	Kavain	1.58	1.58	1.50	90.30		
		Total Lactones			4.92		

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

Luda Chumakova

Digitally signed by Luda Chumakova
Date: 2025.09.10 10:12:33 -07'00'

Performed by/Date:

Nicole Ramos

Digitally signed by Nicole Ramos
Date: 2025.09.10 11:11:23 -07'00'

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. 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.