FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Date Issued: 10/20/26

Certificate of Analysis

Analysis Summary	Percent %	mg/serving
Methysticin	0.027	16.229
Kavain + Dihydromethysticin (Combined)	0.112	67.129
Dihydrokavain	0.116	69.487
Desmethoxyyangonin	0.025	15.067
Yangonin	0.020	11.792
Flavokawain C	ND	ND
Flavokawain A	ND	ND
Flavokawain B	ND	ND
Total Quantified Kavalactones	0.300	179.703
Mitragynine	0.088	52.792
7-OH Mitragynine	ND	ND
Paynantheine	0.009	5.400
Speciogynine	0.006	3.881
Speciociliatine	ND	ND
Corynantheidine	ND	ND
Mitraphylline	ND	ND
9-O-desmethyl Mitragynine	ND	ND
Corynoxine B	ND	ND
Ajmalicine	ND	ND
Isomitraphylline	ND	ND
Mitraciliatine	ND	ND
Mitragynine pseudoindoxyl	ND	ND
MGM-15	ND	ND
MGM-16	ND	ND
Total Quantified Kratom Alkaloids	0.103	62.073
Total Quantified Alkaloids	0.403	241.777

Matrix:
Other

Serving Mass:
60 g per serving

Date Received:
10/20/26

Approved By:
Marie True, M.S.
Laboratory Manager

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References: limit of quantitation (LOQ), not detected (ND), not tested (NT)

Certificate of Analysis

Alkaloid Analysis

Complete

Test	LOD (ppm)	LOQ (ppm)	Mass (%)	mg/serving
Methysticin	**1.041**	**3.12**	**0.027**	**16.23**
Kavain + Dihydromethysticin (Combined)	**1.041**	**3.12**	**0.112**	**67.13**
Dihydrokavain	1.041	3.12	**0.116**	**69.49**
Desmethoxyyangonin	1.041	3.12	**0.025**	**15.07**
Yangonin	1.041	3.12	**0.020**	**11.79**
Flavokawain C	1.041	3.12	**ND**	**ND**
Flavokawain A	1.041	3.12	**ND**	**ND**
Flavokawain B	1.041	3.12	**ND**	**ND**
Total Quantified Kavalactones			0.30	179.70
Mitragynine	0.016	0.049	**0.088**	**52.79**
7-OH Mitragynine	0.019	0.058	**ND**	**ND**
Paynantheine	0.022	0.066	**0.009**	**5.40**
Speciogynine	0.019	0.056	**0.006**	**3.88**
Speciociliatine	0.018	0.054	**ND**	**ND**
Corynantheidine	0.024	0.073	**ND**	**ND**
Mitraphylline	0.017	0.052	**ND**	**ND**
9-O-desmethyl Mitragynine	0.017	0.050	**ND**	**ND**
Corynoxine B	0.022	0.066	**ND**	**ND**
Ajmalicine	0.024	0.071	**ND**	**ND**
Isomitraphylline	0.019	0.057	**ND**	**ND**
Mitraciliatine	0.020	0.060	**ND**	**ND**
Mitragynine pseudoindoxyl	0.033	0.098	**ND**	**ND**
MGM-15	0.006	0.02	**ND**	**ND**
MGM-16	0.011	0.03	**ND**	**ND**
Total Quantified Kratom Alkaloids			0.10	62.07
Total Quantified Alkaloids			0.40	241.78

Method References:

HPLCUVKAV01 - High Pressure Liquid Chromatography with UV Detection for Kava Alkaloids