FOOD & ENVIRONMENT SAFETY ANALYTICAL LAB

Sample ID: 88560902-2
Date Issued: 9/11/26

Certificate of Analysis

W . 237265 Watermelon

Client: SoHi Brands



Analysis Summary	Percent (%)	mg/serving
Mesembrine (CAS No. 24880-43-1)	0.290	2.243
Mesembrenone (CAS No. 80287-15-6)	0.000	0.003
D7-Mesembrenone (CAS No. 80287-15-6)	0.009	0.068
Mesembrenol (CAS No. 25516-15-8)	ND	ND
Total Quantified Kanna Alkaloids	0.299	2.314
Mitragynine	ND	ND
7-OH Mitragynine	ND	ND
Paynantheine	ND	ND
Speciogynine	ND	ND
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
Total Quantified Kratom Alkaloids	ND	ND
Nuciferine	6.148	47.511
Total Quantified Alkaloids	6.447	49.826

Sample Name:
W . 237265 Watermelon

Matrix:
Other

Serving Mass:
0.7728 g per serving

Sample ID:
88560902-2

Date Received:
9/2/26

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 (%)	LOQ (%)	Mass (%)	mg/serving
Mesembrine (CAS No. 24880-43-1)	**0.000011**	**0.000032**	**0.290**	**2.24**
Mesembrenone (CAS No. 80287-15-6)	**0.000021**	**0.000063**	**0.000**	**0.00**
D7-Mesembrenone (CAS No. 80287-15-6)	0.000011	0.000032	**0.009**	**0.07**
Mesembrenol (CAS No. 25516-15-8)	0.000021	0.000063	**ND**	**ND**
Total Quantified Kanna Alkaloids			0.30	2.31

Test	LOD (ppm)	LOQ (ppm)	Mass (%)	mg/serving
Mitragynine	0.016	0.049	**ND**	**ND**
7-OH Mitragynine	0.019	0.058	**ND**	**ND**
Paynantheine	0.022	0.066	**ND**	**ND**
Speciogynine	0.019	0.056	**ND**	**ND**
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**
Total Quantified Kratom Alkaloids			ND	ND
Nuciferine	0.012	0.031	**6.148**	**47.51**
Total Quantified Alkaloids			**6.447**	**49.826**

Method References:

HPLCUVKAV01 - High Pressure Liquid Chromatography with UV Detection for Kava Alkaloids
HPLC SOP K5316L - Diode Array Detector, Liquid Chromatography.
LCMSMSKAN01 - High Pressure Liquid Chromatography with ESI+ Mass Spectrometry Detection for Kanna Alkaloids