



Certificate of Analysis

Customer Information		Testing Facility	
Client:	Twisted Roots Kava Brewery	Lab:	Cora Science, LLC
Attention:	drake@twistedrootskava.com	Address	8000 Anderson Square, STE 113
Address:	2037 Hollywood Blvd Hollywood, FL 33020	Contact:	Austin, Texas 78757 info@corascience.com (512) 856-5007

Sample Image(s)	Sample Information
	Name: Twisted Roots Green Kratom Tea Lot Number: 202610GT Description: Ready-to-drink beverage Condition: Good Job ID: ISO08387 Sample ID: I23428 Received: 19OCT2026 Completed: 26OCT2026 Report Date: 26OCT2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD)		Method Code: T102		Tested: 22OCT2026 0856		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	MDL	
Mitragynine	Report Results	0.0533	mg/mL	0.0020	0.00075	
Paynantheine	Report Results	0.0101	mg/mL	0.0020	0.00075	
Speciogynine	Report Results	0.00731	mg/mL	0.0020	0.00075	
Speciociliatine	Report Results	0.0202	mg/mL	0.0020	0.00075	
Component Sum	Report Results	0.0909	mg/mL	0.0020	0.00075	

Mitragyna Alkaloids (UHPLC-DAD)		Method Code: T102		Tested: 22OCT2026 0856		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	MDL	
Mitragynine	Report Results	0.0533	mg/g	0.0020	0.00075	
Paynantheine	Report Results	0.0101	mg/g	0.0020	0.00075	
Speciogynine	Report Results	0.00732	mg/g	0.0020	0.00075	
Speciociliatine	Report Results	0.0202	mg/g	0.0020	0.00075	
Component Sum	Report Results	0.0909	mg/g	0.0020	0.00075	

Mitragynine Derivatives [UHPLC-MS]		Method Code: T191		Tested: 22OCT2026 0536		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	MDL	
7-hydroxymitragynine	Report Results	<LOQ (0.0718)	ug/g	0.18	0.066	
9-hydroxycorynantheidine	Report Results	<LOQ (0.174)	ug/g	0.18	0.066	
Mitragynine Pseudoindoxyl	Report Results	ND	ug/g	0.18	0.066	
7-acetoxymitragynine	Report Results	ND	ug/g	0.18	0.066	
Dihydro-7-hydroxymitragynine (MGM-15)	Report Results	ND	ug/g	0.18	0.066	

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PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	MDL
10-fluoro-dihydro-7-hydroxymitragynine (MGM-16)	Report Results	ND	ug/g	0.18	0.066
Component Sum	Report Results	0.246	ug/g	0.18	0.066

Florida Kratom Compliance — 2ER26-2 / 5KER26-11		Method Code: T102/T503/T191		Tested: 26OCT2026 1734	
PARAMETER	SPECIFICATION	RESULT	UNIT	MDL/LOD	NOTES
Mitragynine Concentration	Report Results	0.0533	mg/mL	N/A	N/A
Mitragynine per Labeled Package	Report Results	18.92	mg/package	N/A	N/A
Product Density	Report Results	1	g/mL	N/A	N/A
7-Hydroxymitragynine Label Concentration	Report Results	0.0000718	mg/mL	0.000066	N/A
7-Acetoxymitragynine	Not Detected	ND	mg/mL	0.000066	PASS
Dihydro-7-hydroxymitragynine (MGM-15)	Not Detected	ND	mg/mL	0.000066	PASS
9-Fluoro-7-hydroxymitragynine (MGM-16)	Not Detected	ND	mg/mL	0.000066	PASS
7-Hydroxymitragynine Limit	NMT 1.00	0.0000718	mg/mL	N/A	PASS
Mitragynine-to-7OH Ratio	NLT 100:1	742.3:1	N/A	N/A	PASS
Alkaloid Ratio Declaration	Report Results	19:0	mg:mg	N/A	N/A

Unit Weight Analysis (Gravimetric)		Method Code: T503		Tested: 22OCT2026 1331	
PARAMETER	SPECIFICATION	RESULT	UNIT	RANGE	NOTES
Density	Report Results	1.000	g/mL	0.5-1.5	N/A

Additional Report Notes

T102 result, LOQ and unit converted from mg/g to mg/mL using a laboratory measured density.

Revision History

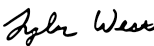
Report ID: 0f45477b-3187-5109-900d-e0f235509f65
rev 00 - Initial release.

Abbreviations

ID: identification, **N/A:** not applicable, **LOQ:** limit of quantitation, **CFU:** colony forming units, **w/w%:** weight by weight percent, **mg:** milligrams, **g:** grams, **ug:** micrograms, **mL:** milliliters, **ND:** not detected, **<LOQ:** below limit of quantitation, **NMT:** no more than, **NLT:** no less than, **UHPLC:** ultra-high performance liquid chromatography, **GC:** gas chromatography, **DAD:** diode array detection/detector, **MS:** mass spectroscopy/spectrometer, **ICP:** inductively coupled plasma, **ISO:** International Organization for Standardization, **USP:** United States Pharmacopeia

Authorization

This report has been authorized for release from Cora Science by:

Signature:		Position:	Laboratory Director
Name:	Tyler West	Department:	Management
		Date:	26OCT2026

