Certificate of Analysis

Customer Information

Client: Peace & Plants Brewing LLC
Attention: peaceandplantsfla@gmail.com
Address: 6749 Scotts Pl
Pensacola, FL 32526

Testing Facility

Lab: Cora Science, LLC
Address 8000 Anderson Square, STE 113
Austin, Texas 78757
Contact: info@corascience.com
(512) 856-5007

Sample Image(s)





Sample Information

Name: Kratom Strawberry Peach
Lot Number: 04
Description: Ready-to-drink beverage
Condition: Good
Job ID: ISO08389
Sample ID: I23432
Received: 19OCT2026
Completed: 26OCT2026
Report Date: 26OCT2026

Test Results

Mitragynine Derivatives [UHPLC-MS] **Method Code: T191** **Tested: 23OCT2026 | 1030**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	MDL
7-hydroxymitragynine	Report Results	<LOQ (0.142)	ug/g	0.18	0.067
9-hydroxycorynantheidine	Report Results	ND	ug/g	0.18	0.067
Mitragynine Pseudoindoxyl	Report Results	ND	ug/g	0.18	0.067
7-acetoxymitragynine	Report Results	ND	ug/g	0.18	0.067
Dihydro-7-hydroxymitragynine (MGM-15)	Report Results	ND	ug/g	0.18	0.067
10-fluoro-dihydro-7-hydroxymitragynine (MGM-16)	Report Results	ND	ug/g	0.18	0.067
Component Sum	Report Results	<LOQ (0.142)	ug/g	0.18	0.067

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 22OCT2026 | 0330**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	MDL
Mitragynine	Report Results	17.8	mg/unit	0.72	0.27
Paynantheine	Report Results	2.80	mg/unit	0.72	0.27
Speciogynine	Report Results	2.02	mg/unit	0.72	0.27
Speciociliatine	Report Results	3.38	mg/unit	0.72	0.27
Component Sum	Report Results	26.0	mg/unit	0.72	0.27

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 22OCT2026 | 0330**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	MDL
Mitragynine	Report Results	0.0492	mg/g	0.0020	0.00075
Paynantheine	Report Results	0.00777	mg/g	0.0020	0.00075
Speciogynine	Report Results	0.00560	mg/g	0.0020	0.00075

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PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	MDL
Speciociliatine	Report Results	0.00938	mg/g	0.0020	0.00075
Component Sum	Report Results	0.0720	mg/g	0.0020	0.00075

Florida Kratom Compliance — 2ER26-2 / 5KER26-11 **Method Code: T102/T503/T191** **Tested: 26OCT2026 | 1745**

PARAMETER	SPECIFICATION	RESULT	UNIT	MDL/LOD	NOTES
Mitragynine Concentration	Report Results	0.04999	mg/mL	N/A	N/A
Mitragynine per Labeled Package	Report Results	17.8	mg/package	N/A	N/A
Product Density	Report Results	1.016	g/mL	N/A	N/A
7-Hydroxymitragynine Label Concentration	Report Results	0.0001443	mg/mL	0.00006807	N/A
7-Acetoxymitragynine	Not Detected	ND	mg/mL	0.00006807	PASS
Dihydro-7-hydroxymitragynine (MGM-15)	Not Detected	ND	mg/mL	0.00006807	PASS
9-Fluoro-7-hydroxymitragynine (MGM-16)	Not Detected	ND	mg/mL	0.00006807	PASS
7-Hydroxymitragynine Limit	NMT 1.00	0.0001443	mg/mL	N/A	PASS
Mitragynine-to-7OH Ratio	NLT 100:1	346.5:1	N/A	N/A	PASS
Alkaloid Ratio Declaration	Report Results	18:0	mg:mg	N/A	N/A

Unit Weight Analysis (Gravimetric) **Method Code: T503** **Tested: 22OCT2026 | 1335**

PARAMETER	SPECIFICATION	RESULT	UNIT	RANGE	NOTES
Density	Report Results	1.016	g/mL	0.5-1.5	N/A

Additional Report Notes

T102 result, LOQ and unit converted from mg/g to mg/unit using a laboratory measured density and client specified fill volume.

Revision History

Report ID: e8e9a4c5-8c9b-5191-a0e2-7d10f6fabceb
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: Tyler West
Name: Tyler West
Position: Laboratory Director
Department: Management
Date: 26OCT2026

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