

Certificate of Analysis



Customer Information

Client: Empowered Creations, LLC
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 Austin, TX 78704

Testing Facility

Lab: Cora Science, LLC
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 Austin, Texas 78757
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Sample Image(s)



Sample Information

Name: GUD Tropicolada
Lot Number: 06/19/25
Description: Ready-to-drink botanical infused beverage
Condition: Good
Job ID: ISO04293
Sample ID: I11552
Received: 23JUN2025
Completed: 24JUN2025
Issued: 24JUN2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 24JUN2025 | 0605

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	79.7	mg/unit	0.51	N/A
7-Hydroxymitragynine	Report Results	<LOQ	mg/unit	0.51	N/A
Paynantheine	Report Results	10.7	mg/unit	0.51	N/A
Speciogynine	Report Results	8.36	mg/unit	0.51	N/A
Speciociliatine	Report Results	11.0	mg/unit	0.51	N/A
Total Mitragyna Alkaloids	Report Results	110	mg/unit	0.51	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 24JUN2025 | 0605

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.123	w/w%	0.00079	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.00079	N/A
Paynantheine	Report Results	0.0164	w/w%	0.00079	N/A
Speciogynine	Report Results	0.0129	w/w%	0.00079	N/A
Speciociliatine	Report Results	0.0169	w/w%	0.00079	N/A
Total Mitragyna Alkaloids	Report Results	0.169	w/w%	0.00079	N/A

Kavalactones (UHPLC-DAD)

Method Code: T104

Tested: 23JUN2025 | 2257

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	170	mg/unit	1.91	N/A
Dihydrokavain	Report Results	134	mg/unit	1.91	N/A
Methysticin	Report Results	50.7	mg/unit	1.91	N/A
Dihydromethysticin	Report Results	49.6	mg/unit	1.91	N/A
Yangonin	Report Results	70.0	mg/unit	1.91	N/A
Desmethoxyyangonin	Report Results	61.2	mg/unit	1.91	N/A
Flavokawain A	Report Results	5.47	mg/unit	1.70	N/A
Flavokawain B	Report Results	7.04	mg/unit	1.70	N/A
Flavokawain C	Report Results	<LOQ	mg/unit	1.70	N/A
Total Kavalactones	Report Results	535	mg/unit	1.91	N/A

Kavalactones (UHPLC-DAD)

Method Code: T104

Tested: 23JUN2025 | 2257

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	0.262	w/w%	0.0030	N/A
Dihydrokavain	Report Results	0.206	w/w%	0.0030	N/A
Methysticin	Report Results	0.0780	w/w%	0.0030	N/A
Dihydromethysticin	Report Results	0.0763	w/w%	0.0030	N/A
Yangonin	Report Results	0.108	w/w%	0.0030	N/A
Desmethoxyyangonin	Report Results	0.0942	w/w%	0.0030	N/A
Flavokawain A	Report Results	0.00843	w/w%	0.0026	N/A
Flavokawain B	Report Results	0.0108	w/w%	0.0026	N/A
Flavokawain C	Report Results	<LOQ	w/w%	0.0026	N/A
Total Kavalactones	Report Results	0.824	w/w%	0.0030	N/A

Additional Report Notes

T102 and T104 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured density of 1.083 g/mL and package specified fill volume of 60.0 mL.

Revision History

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

Department:

Management

Name:

Tyler West

Date:

24JUN2025

