

Certificate of Analysis



Customer Information

Client: Psinergy Brands
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Testing Facility

Lab: Cora Science, LLC
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Sample Image(s)



Sample Information

Name: KAVA+KRATOM TONIC
Lot Number: 002EXP3/26
Description: Liquid botanical extract
Condition: Good
Job ID: ISO02517
Sample ID: I06131
Received: 16SEP2024
Completed: 19SEP2024
Issued: 19SEP2024

Test Results

Kavalactones (UHPLC-DAD)

Method Code: T104

Tested: 17SEP2024 | 0922

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	33.7	mg/unit	1.21	N/A
Dihydrokavain	Report Results	33.0	mg/unit	1.21	N/A
Methysticin	Report Results	13.2	mg/unit	1.21	N/A
Dihydromethysticin	Report Results	11.0	mg/unit	1.21	N/A
Yangonin	Report Results	13.0	mg/unit	1.21	N/A
Desmethoxyyangonin	Report Results	10.5	mg/unit	1.21	N/A
Flavokawain A	Report Results	1.65	mg/unit	1.21	N/A
Flavokawain B	Report Results	1.73	mg/unit	1.21	N/A
Flavokawain C	Report Results	<LOQ	mg/unit	1.21	N/A
Total Kavalactones	Report Results	114	mg/unit	1.21	N/A

Kavalactones (UHPLC-DAD)

Method Code: T104

Tested: 17SEP2024 | 0922

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	0.054	w/w%	0.002	N/A
Dihydrokavain	Report Results	0.053	w/w%	0.002	N/A
Methysticin	Report Results	0.021	w/w%	0.002	N/A
Dihydromethysticin	Report Results	0.018	w/w%	0.002	N/A
Yangonin	Report Results	0.021	w/w%	0.002	N/A
Desmethoxyyangonin	Report Results	0.017	w/w%	0.002	N/A
Flavokawain A	Report Results	0.003	w/w%	0.002	N/A
Flavokawain B	Report Results	0.003	w/w%	0.002	N/A
Flavokawain C	Report Results	<LOQ	w/w%	0.002	N/A
Total Kavalactones	Report Results	0.184	w/w%	0.002	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 19SEP2024 | 1039

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PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.127	w/w%	0.003	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.001	N/A
Paynantheine	Report Results	0.004	w/w%	0.003	N/A
Speciogynine	Report Results	0.003	w/w%	0.003	N/A
Speciociliatine	Report Results	<LOQ	w/w%	0.003	N/A
Total Mitragyna Alkaloids	Report Results	0.134	w/w%	0.003	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 19SEP2024 | 1039

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	79.0	mg/unit	1.79	N/A
7-Hydroxymitragynine	Report Results	<LOQ	mg/unit	0.48	N/A
Paynantheine	Report Results	2.62	mg/unit	1.79	N/A
Speciogynine	Report Results	2.07	mg/unit	1.79	N/A
Speciociliatine	Report Results	<LOQ	mg/unit	1.79	N/A
Total Mitragyna Alkaloids	Report Results	83.7	mg/unit	1.79	N/A

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 17SEP2024 | 1601

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.5	<LOQ	ug/g	0.0060	PASS
Cadmium	NMT 0.5	<LOQ	ug/g	0.0020	PASS
Lead	NMT 0.5	<LOQ	ug/g	0.0020	PASS
Mercury	NMT 0.2	<LOQ	ug/g	0.0020	PASS

Microbiological Examination

Method Code: T005

Tested: 16SEP2024 | 1804

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	Not Detected	N/A	10 CFU / g	PASS
Total Yeast and Mold	100,000 CFU / g	Not Detected	N/A	10 CFU / g	PASS
Total Coliforms	10,000 CFU / g	Not Detected	N/A	10 CFU / g	PASS
Escherichia coli	Not Detected in 10 g	Not Detected	N/A	1 CFU / 10 g	PASS
Salmonella	Not Detected in 25 g	Not Detected	N/A	1 CFU / 25 g	PASS

Additional Report Notes

T102 and T104 result, LOQ and unit converted from w/w% to mg/mL using a laboratory measured density of 1.038 g/unit 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:	<i>Tyler West</i>	Position:	Laboratory Director
Name:	Tyler West	Department:	Management
		Date:	19SEP2024