

Certificate of Analysis



Customer Information

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Testing Facility

Lab: Cora Science, LLC
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Sample Image(s)



Sample Information

Name: Markava Tropical Spice
Lot Number: 111524-Markava-TS01
Description: Ready-to-drink botanical infused beverage
Condition: Good
Job ID: ISO02818
Sample ID: I07049
Received: 18NOV2024
Completed: 19NOV2024
Issued: 19NOV2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 19NOV2024 | 0409

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	25.0	mg/unit	0.27	N/A
7-Hydroxymitragynine	Report Results	0.139	mg/unit	0.07	N/A
Paynantheine	Report Results	3.99	mg/unit	0.27	N/A
Speciogynine	Report Results	2.80	mg/unit	0.27	N/A
Speciociliatine	Report Results	4.49	mg/unit	0.27	N/A
Total Mitragyna Alkaloids	Report Results	36.4	mg/unit	0.27	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 19NOV2024 | 0409

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.00692	w/w%	0.00007	N/A
7-Hydroxymitragynine	Report Results	0.00004	w/w%	0.00002	N/A
Paynantheine	Report Results	0.00110	w/w%	0.00007	N/A
Speciogynine	Report Results	0.00078	w/w%	0.00007	N/A
Speciociliatine	Report Results	0.00124	w/w%	0.00007	N/A
Total Mitragyna Alkaloids	Report Results	0.0101	w/w%	0.00007	N/A

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 19NOV2024 | 1005

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.50	<LOQ	ug/g	0.006	PASS
Cadmium	NMT 0.50	<LOQ	ug/g	0.002	PASS
Mercury	NMT 0.20	<LOQ	ug/g	0.002	PASS
Lead	NMT 0.50	<LOQ	ug/g	0.002	PASS

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured density of 1.017 g/mL and package specified fill volume of 355.0 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:

19NOV2024