Certificate of Analysis

Customer Information

Client: Pharmed Innovations LLC
Attention: pharmedinnovations@gmail.com
Address: 1202 South Sheridan Rd.
Tulsa, OK 74112

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: Markava Cactus Cooler
Lot Number: 111524-Markava-CC01
Description: Ready-to-drink botanical infused beverage
Condition: Good
Job ID: ISO02818
Sample ID: I07050
Received: 18NOV2024
Completed: 19NOV2024
Issued: 19NOV2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 19NOV2024 | 0503**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	19.1	mg/unit	0.27	N/A
7-Hydroxymitragynine	Report Results	<LOQ	mg/unit	0.07	N/A
Paynantheine	Report Results	3.02	mg/unit	0.27	N/A
Speciogynine	Report Results	2.11	mg/unit	0.27	N/A
Speciociliatine	Report Results	3.31	mg/unit	0.27	N/A
Total Mitragyna Alkaloids	Report Results	27.5	mg/unit	0.27	N/A

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 19NOV2024 | 0503**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.00527	w/w%	0.00007	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.00002	N/A
Paynantheine	Report Results	0.00083	w/w%	0.00007	N/A
Speciogynine	Report Results	0.00058	w/w%	0.00007	N/A
Speciociliatine	Report Results	0.00091	w/w%	0.00007	N/A
Total Mitragyna Alkaloids	Report Results	0.0076	w/w%	0.00007	N/A

Elemental Impurities (ICP-MS) **Method Code: T301** **Tested: 19NOV2024 | 1009**

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 1.020 g/mL and package specified fill volume of 355.0 mL.

Revision History

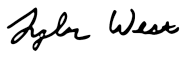
rev 00 - Initial release.

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