Certificate of Analysis

Customer Information

Client: Kats Botanicals
Attention: mike@katsbotanicals.com
Address: 750 Hickory Industrial
Old Hickory, TN 37138

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 MITRAGYNA SPECIOSA EXTRACT
Lot Number: GR2509
Description: Finely ground plant material
Condition: Good
Job ID: ISO02796
Sample ID: I06982
Received: 13NOV2024
Completed: 18NOV2024
Issued: 21NOV2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 18NOV2024 | 1955**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.37	w/w%	0.012	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.003	N/A
Paynantheine	Report Results	0.271	w/w%	0.012	N/A
Speciogynine	Report Results	0.202	w/w%	0.012	N/A
Speciociliatine	Report Results	0.391	w/w%	0.012	N/A
Total Mitragyna Alkaloids	Report Results	2.23	w/w%	0.012	N/A

Elemental Impurities (ICP-MS) **Method Code: T301** **Tested: 14NOV2024 | 1356**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.577	ug/g	0.006	PASS
Cadmium	NMT 0.50	0.025	ug/g	0.002	PASS
Mercury	NMT 0.20	0.009	ug/g	0.002	PASS
Lead	NMT 5.00	0.736	ug/g	0.002	PASS

Microbiological Examination **Method Code: T005** **Tested: 13NOV2024 | 1440**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	100	CFU/g	20 CFU / g	PASS
Total Yeast and Mold	100,000 CFU / g	20	CFU/g	20 CFU / g	PASS
Total Coliforms	10,000 CFU / g	Not Detected	CFU/g	20 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

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Additional Report Notes

N/A

Revision History

rev 00 - Initial release.
rev 01 - Updated customer information; this version does not supersede rev00.

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	**Position:**	Laboratory Director
		Department:	Management
Name:	Tyler West	**Date:**	21NOV2024

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