ALKALOID SUMMARY - Per 1 g of tested powder

KCM19 | Lot KCM19

Supplemental calculation from this COA; not issued or certified by the laboratory.

Total mitragynine	**13.90 mg**
Total 7-hydroxymitragynine	**< 0.030 mg**
Alkaloid ratio (mitragynine : 7-OH)	**> 463 : 1***
Mitragynine concentration	**13.90 mg/g**
7-OH mitragynine concentration	**< 0.030 mg/g**

< indicates the quantitation limit, not a measured amount or zero.
* Ratio is a conservative lower bound if 7-OH > 0; at zero, the ratio is undefined.
mg/g = w/w% x 10, or the lab-reported mg/g. No prepared-liquid volume is given; mg/mL is not calculated.

Certificate of Analysis

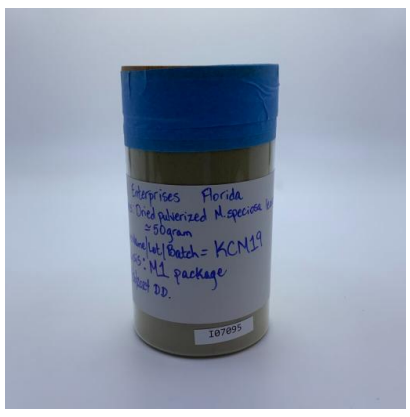
Customer Information

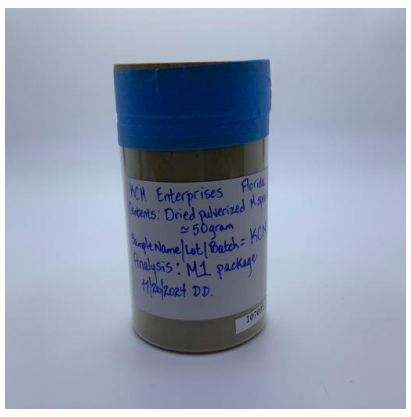
Client: KCM Enterprises Florida LLC
Attention: +1 (954) 655-8649
Address: 1762 NE 205th Ter
Miami, FL 33179

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: KCM19
Lot Number: KCM19
Description: Finely ground plant material
Condition: Good
Job ID: ISO02837
Sample ID: I07095
Received: 21NOV2024
Completed: 23NOV2024
Issued: 23NOV2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 21NOV2024 | 1940**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.39	w/w%	0.010	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.003	N/A
Paynantheine	Report Results	0.233	w/w%	0.010	N/A
Speciogynine	Report Results	0.187	w/w%	0.010	N/A
Speciociliatine	Report Results	0.342	w/w%	0.010	N/A
Total Mitragyna Alkaloids	Report Results	2.15	w/w%	0.010	N/A

Elemental Impurities (ICP-MS) **Method Code: T301** **Tested: 21NOV2024 | 1602**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.266	ug/g	0.006	PASS
Cadmium	NMT 0.50	0.025	ug/g	0.002	PASS
Mercury	NMT 0.20	0.016	ug/g	0.002	PASS
Lead	NMT 5.00	0.288	ug/g	0.002	PASS

Microbiological Examination **Method Code: T005** **Tested: 21NOV2024 | 1102**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	80	CFU/g	20 CFU / g	PASS
Total Yeast and Mold	100,000 CFU / g	Not Detected	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 00 - Added T005 results.

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:**	23NOV2024

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