ALKALOID SUMMARY - Per 1 g of tested powder

KCM18 | Lot KCM18

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

Total mitragynine	**14.00 mg**
Total 7-hydroxymitragynine	**0.050 mg**
Alkaloid ratio (mitragynine : 7-OH)	**~ 280.00 : 1**
Mitragynine concentration	**14.00 mg/g**
7-OH mitragynine concentration	**0.050 mg/g**

Ratio calculated from the displayed totals; approximate because source results are rounded.
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

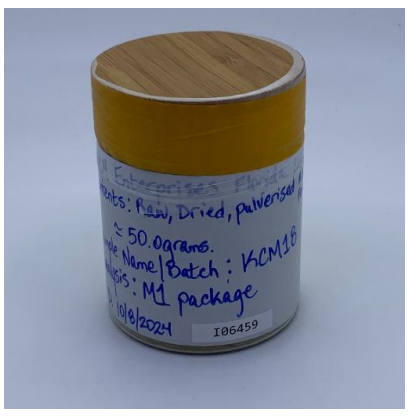
Customer Information

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:	KCM18
Lot Number:	KCM18
Description:	Finely ground plant material
Condition:	Good
Job ID:	ISO02625
Sample ID:	I06459
Received:	10OCT2024
Completed:	16OCT2024
Issued:	16OCT2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 15OCT2024 | 0436**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.40	w/w%	0.011	N/A
7-Hydroxymitragynine	Report Results	0.005	w/w%	0.003	N/A
Paynantheine	Report Results	0.228	w/w%	0.011	N/A
Speciogynine	Report Results	0.179	w/w%	0.011	N/A
Speciociliatine	Report Results	0.429	w/w%	0.011	N/A
Total Mitragyna Alkaloids	Report Results	2.24	w/w%	0.011	N/A

Elemental Impurities (ICP-MS) **Method Code: T301** **Tested: 15OCT2024 | 1519**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.318	ug/g	0.006	PASS
Cadmium	NMT 0.50	0.007	ug/g	0.002	PASS
Mercury	NMT 0.20	<LOQ	ug/g	0.002	PASS
Lead	NMT 5.00	0.256	ug/g	0.002	PASS

Microbiological Examination **Method Code: T005** **Tested: 14OCT2024 | 1532**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	320	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.

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: 

Name: Tyler West

Position: Laboratory Director

Department: Management

Date: 16OCT2024

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