

Certificate of Analysis



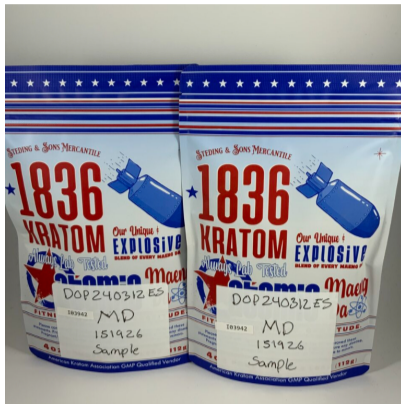
Customer Information

Client: Steding and Sons Mercantile
Attention: (737) 895-2303
Address: 1501 Panther Loop #7A
 Pflugerville, TX 78660

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: Atomic Maeng Da
Lot Number: MD151926
Description: Finely ground plant material
Condition: Good
Job ID: ISO01828
Sample ID: I03942
Received: 13MAR2024
Completed: 19MAR2024
Issued: 19MAR2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 16MAR2024 | 1901

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.51	w/w%	0.011	N/A
7-Hydroxymitragynine	Report Results	0.007	w/w%	0.003	N/A
Paynantheine	Report Results	0.293	w/w%	0.011	N/A
Speciogynine	Report Results	0.226	w/w%	0.011	N/A
Speciociliatine	Report Results	0.376	w/w%	0.011	N/A
Total Mitragyna Alkaloids	Report Results	2.41	w/w%	0.011	N/A

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 17MAR2024 | 1917

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 10	0.71	ug/day	0.24	PASS
Cadmium	NMT 4.1	0.11	ug/day	0.048	PASS
Lead	NMT 6.0	2.1	ug/day	0.048	PASS
Mercury	NMT 2.0	<LOQ	ug/day	0.048	PASS

Microbiological Examination

Method Code: T005

Tested: 17MAR2024 | 0951

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU/gram	410	CFU/gram	20 CFU/gram	PASS
Total Yeast & Mold	100,000 CFU/gram	120	CFU/gram	20 CFU/gram	PASS
Total Coliforms	10,000 CFU/gram	Not Detected	CFU/gram	20 CFU/gram	PASS
Escherichia coli	Not Detected in 10 grams	Not Detected	N/A	1 CFU/10 grams	PASS
Salmonella	Not Detected in 25 grams	Not Detected	N/A	1 CFU/25 grams	PASS

Additional Report Notes

T301 performed by a registered outsourcing facility. T301 result, unit, and LOQ converted from ug/g to ug/day using a maximum permitted daily exposure of 5.0 g/day.

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:

19MAR2024