

## 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:** 20AUG2024

## 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 2.0	0.141	ug/g	0.048	PASS
Cadmium	NMT 0.82	0.0222	ug/g	0.0096	PASS
Lead	NMT 1.20	0.418	ug/g	0.0096	PASS
Mercury	NMT 0.40	<LOQ	ug/g	0.0096	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

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T301 performed by a registered outsourcing facility.

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## Revision History

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rev 00 - Initial release.

rev 01 - Updated T301 specifications.

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## Abbreviations

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**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

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## Authorization

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This report has been authorized for release from Cora Science by:

**Signature:**



**Position:**

Laboratory Director

**Department:**

Management

**Name:**

Tyler West

**Date:**

20AUG2024