

# Certificate of Analysis



## Customer Information

Trade-Sensitive Information
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## 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:** 12032404  
**Lot Number:** 120324  
**Description:** Finely ground plant material  
**Condition:** Good  
**Job ID:** ISO02950  
**Sample ID:** I07481  
**Received:** 12DEC2024  
**Completed:** 16DEC2024  
**Issued:** 18DEC2024

## Test Results

### Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 16DEC2024 | 2136

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.38	w/w%	0.011	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.003	N/A
Paynantheine	Report Results	0.257	w/w%	0.011	N/A
Speciogynine	Report Results	0.204	w/w%	0.011	N/A
Speciociliatine	Report Results	0.474	w/w%	0.011	N/A
Total Mitragyna Alkaloids	Report Results	2.32	w/w%	0.011	N/A

### Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 13DEC2024 | 1502

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	1.36	ug/g	0.006	PASS
Cadmium	NMT 0.50	0.024	ug/g	0.002	PASS
Mercury	NMT 0.20	<LOQ	ug/g	0.002	PASS
Lead	NMT 5.00	0.741	ug/g	0.002	PASS

### Microbiological Examination

Method Code: T005

Tested: 12DEC2024 | 1335

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

## 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:**



**Position:**

Laboratory Director

**Department:**

Management

**Name:**

Tyler West

**Date:**

18DEC2024