



# 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:** Green Means Go  
**Lot Number:** GM151928  
**Description:** Finely ground plant material  
**Condition:** Good  
**Job ID:** ISO06375  
**Sample ID:** I17771  
**Received:** 20FEB2026  
**Completed:** 25FEB2026  
**Issued:** 27FEB2026

## Test Results

### Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 24FEB2026 | 1605

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.50	w/w%	0.0056	N/A
7-Hydroxymitragynine	Report Results	0.00635	w/w%	0.00074	N/A
Paynantheine	Report Results	0.283	w/w%	0.0056	N/A
Speciogynine	Report Results	0.212	w/w%	0.0056	N/A
Speciociliatine	Report Results	0.390	w/w%	0.0056	N/A
Total Mitragyna Alkaloids	Report Results	2.39	w/w%	0.0056	N/A

### Moisture Content

Method Code: T505

Tested: 25FEB2026 | 0849

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Moisture	Report Results	4.69	%	0.1	N/A

### Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 24FEB2026 | 1406

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.187	ug/g	0.006	PASS
Cadmium	NMT 0.82	0.021	ug/g	0.002	PASS
Mercury	NMT 0.40	0.016	ug/g	0.002	PASS
Lead	NMT 1.20	0.499	ug/g	0.002	PASS

### Microbiological Examination

Method Code: T005

Tested: 25FEB2026 | 1525

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000 CFU/g	130	CFU/g	20 CFU/g	PASS
Total Yeast and Mold	NMT 1,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS
Salmonella spp.	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS

This report, prepared by Cora Science, LLC, shall not be reproduced except in its entirety without prior written approval. All test articles are analyzed as received and the results relate only to the specific sample of material or product analyzed. Test methods are performed in a laboratory accredited to ISO/IEC 17025:2017 in the field of testing by PJLA (Accreditation #116374) or a registered outsourcing facility. Some test methods reported may fall outside the scope of L22-250 supplement.

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Shiga-toxin producing E. coli	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS

**7-Hydroxymitragynine Limit (0.04%)**

Method Code: 813

Tested: 25FEB2026 | 0849

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
7-Hydroxymitragynine	NMT 400 PPM	67	ppm	8	PASS

**7-Hydroxymitragynine Relative Alkaloid Ratio**

Method Code: T102

Tested: 24FEB2026 | 1605

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
7-Hydroxymitragynine	Report Results	0.266	% of Total Alkaloids	N/A	N/A

## Additional Report Notes

T813 results are reported on a dry-weight basis (DWB). Reported values converted from T102 results using the laboratory-measured moisture content by T505 for each sample:

DWB w/w% = (as-received w/w%) ÷ (1 – moisture%/100).

## 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:**

27FEB2026