



# 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:** Great White  
**Lot Number:** GW151928  
**Description:** Finely ground plant material  
**Condition:** Good  
**Job ID:** ISO06375  
**Sample ID:** I17772  
**Received:** 20FEB2026  
**Completed:** 25FEB2026  
**Issued:** 27FEB2026

## Test Results

### Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 25FEB2026 | 2330

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.39	w/w%	0.0055	N/A
7-Hydroxymitragynine	Report Results	0.0130	w/w%	0.00073	N/A
Paynantheine	Report Results	0.260	w/w%	0.0055	N/A
Speciogynine	Report Results	0.196	w/w%	0.0055	N/A
Speciociliatine	Report Results	0.348	w/w%	0.0055	N/A
Total Mitragyna Alkaloids	Report Results	2.20	w/w%	0.0055	N/A

### Moisture Content

Method Code: T505

Tested: 25FEB2026 | 0904

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Moisture	Report Results	4.89	%	0.1	N/A

### Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 24FEB2026 | 1411

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.225	ug/g	0.006	PASS
Cadmium	NMT 0.82	0.020	ug/g	0.002	PASS
Mercury	NMT 0.40	0.006	ug/g	0.002	PASS
Lead	NMT 1.20	0.458	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	80	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

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 | 2330

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
7-Hydroxymitragynine	NMT 400 PPM	137	ppm	8	PASS

**7-Hydroxymitragynine Relative Alkaloid Ratio**

Method Code: T102

Tested: 25FEB2026 | 2330

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
7-Hydroxymitragynine	Report Results	0.589	% 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

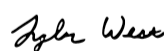
rev 00 - Initial release.

## 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