



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: Texas Red
Lot Number: TR151929
Description: Finely ground plant material
Condition: Good
Job ID: ISO07399
Sample ID: I20682
Received: 16JUN2026
Completed: 18JUN2026
Issued: 22JUN2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 17JUN2026 | 2228

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.12	w/w%	0.0053	N/A
7-Hydroxymitragynine	Report Results	0.00183	w/w%	0.0011	N/A
Paynantheine	Report Results	0.184	w/w%	0.0053	N/A
Speciogynine	Report Results	0.131	w/w%	0.0053	N/A
Speciociliatine	Report Results	0.325	w/w%	0.0053	N/A
Total Mitragyna Alkaloids	Report Results	1.76	w/w%	0.0053	N/A

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 17JUN2026 | 1059

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.196	ug/g	0.006	PASS
Cadmium	NMT 0.82	0.041	ug/g	0.002	PASS
Mercury	NMT 0.40	0.017	ug/g	0.002	PASS
Lead	NMT 1.20	0.263	ug/g	0.002	PASS

Microbial Examination

Method Code: T005

Tested: 18JUN2026 | 1414

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000,000 CFU/g	6,830	CFU/g	20 CFU/g	PASS
Total Yeast and Mold	NMT 100,000 CFU/g	720	CFU/g	20 CFU/g	PASS
Total Coliforms	NMT 10,000 CFU/g	<LOQ	CFU/g	20 CFU/g	PASS
Escherichia coli	Not Detected in 10 g	Not Detected	N/A	1 CFU/10g	PASS
Salmonella spp.	Not Detected in 10 g	Not Detected	N/A	1 CFU/10g	PASS

Additional Report Notes

N/A

Revision History

Report ID: 4106c2be-9f0a-4c4e-9351-57ecc6096149

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:

Tyler West

Position:

Laboratory Director

Department:

Management

Name:

Tyler West

Date:

22JUN2026