

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: TR151927
Description: Finely ground plant material
Condition: Good
Job ID: ISO04363
Sample ID: I11821
Received: 01JUL2025
Completed: 09JUL2025
Issued: 09JUL2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD) Method Code: T102 Tested: 09JUL2025 | 0520

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.03	w/w%	0.0029	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.0029	N/A
Paynantheine	Report Results	0.193	w/w%	0.0029	N/A
Speciogynine	Report Results	0.153	w/w%	0.0029	N/A
Speciociliatine	Report Results	0.379	w/w%	0.0029	N/A
Total Mitragyna Alkaloids	Report Results	1.76	w/w%	0.0029	N/A

Elemental Impurities (ICP-MS) Method Code: T301 Tested: 08JUL2025 | 1555

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	0.323	ug/g	0.006	PASS
Cadmium	NMT 0.82	0.043	ug/g	0.002	PASS
Mercury	NMT 0.40	0.014	ug/g	0.002	PASS
Lead	NMT 1.20	0.464	ug/g	0.002	PASS

Microbiological Examination Method Code: T005 Tested: 07JUL2025 | 1811

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000,000 CFU/g	5,590	CFU/g	20 CFU/g	PASS
Total Yeast and Mold	NMT 100,000 CFU/g	140	CFU/g	20 CFU/g	PASS
Gram Negative Bile Tolerant	NMT 10,000 MPN/g	<10	MPN/g	10 MPN/g	PASS
Salmonella spp.	Not Detected in 100 g	Not Detected	N/A	1 CFU/100g	PASS
Escherichia coli	Not Detected in 100 g	Not Detected	N/A	1 CFU/100g	PASS

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Additional Report Notes

N/A

Revision History

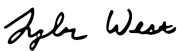
rev 00 - Initial release.

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:	09JUL2025