



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: Lazy Luau
Lot Number: SLL00103
Description: Ready-to-drink beverage
Condition: Good
Job ID: ISO06300
Sample ID: I17623
Received: 16FEB2026
Completed: 24FEB2026
Issued: 24FEB2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 24FEB2026 | 0952

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	56.8	mg/unit	0.046	N/A
7-Hydroxymitragynine	Report Results	0.0134	mg/unit	0.0061	N/A
Paynantheine	Report Results	7.18	mg/unit	0.046	N/A
Speciogynine	Report Results	4.62	mg/unit	0.046	N/A
Speciociliatine	Report Results	7.25	mg/unit	0.046	N/A
Total Mitragyna Alkaloids	Report Results	75.9	mg/unit	0.046	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 24FEB2026 | 0952

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.186	w/w%	0.00015	N/A
7-Hydroxymitragynine	Report Results	0.000044	w/w%	0.000020	N/A
Paynantheine	Report Results	0.0235	w/w%	0.00015	N/A
Speciogynine	Report Results	0.0151	w/w%	0.00015	N/A
Speciociliatine	Report Results	0.0237	w/w%	0.00015	N/A
Total Mitragyna Alkaloids	Report Results	0.248	w/w%	0.00015	N/A

Loss on Drying

Method Code: T505

Tested: 19FEB2026 | 1146

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Loss on Drying	Report Results	95.4	%	0.1	N/A

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 18FEB2026 | 1316

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	<LOQ	ug/g	0.006	PASS

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Cadmium	NMT 0.82	<LOQ	ug/g	0.002	PASS
Mercury	NMT 0.40	0.003	ug/g	0.002	PASS
Lead	NMT 1.20	0.017	ug/g	0.002	PASS

Microbiological Examination

Method Code: T005

Tested: 16FEB2026 | 1723

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000 CFU/g	<LOQ	CFU/g	10 CFU/g	PASS
Total Yeast and Mold	NMT 1,000 CFU/g	<LOQ	CFU/g	10 CFU/g	PASS
Salmonella spp.	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS
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: 24FEB2026 | 0952

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
7-Hydroxymitragynine	NMT 400 PPM	10	ppm	4	PASS

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured density of 1.020 g/mL and package specified fill volume of 30.0 mL. T813 results are reported on a dry-weight basis (DWB). Reported values converted from T102 results using the laboratory-measured loss on drying 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:

24FEB2026