



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 Lemonade
Lot Number: SSLM00100
Description: Ready-to-drink botanical infused beverage
Condition: Good
Job ID: ISO04650
Sample ID: I12733
Received: 06AUG2025
Completed: 15AUG2025
Issued: 18AUG2025

Test Results

Kavalactones (UHPLC-DAD)		Method Code: T104		Tested: 12AUG2025 0726	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	57.3	mg/unit	10.6	N/A
Dihydrokavain	Report Results	115	mg/unit	10.6	N/A
Methysticin	Report Results	43.2	mg/unit	10.6	N/A
Dihydromethysticin	Report Results	61.2	mg/unit	10.6	N/A
Yangonin	Report Results	31.9	mg/unit	10.6	N/A
Desmethoxyyangonin	Report Results	26.1	mg/unit	10.6	N/A
Flavokawain A	Report Results	<LOQ	mg/unit	9.46	N/A
Flavokawain B	Report Results	<LOQ	mg/unit	9.46	N/A
Flavokawain C	Report Results	<LOQ	mg/unit	9.46	N/A
Total Kavalactones	Report Results	335	mg/unit	10.6	N/A

Kavalactones (UHPLC-DAD)		Method Code: T104		Tested: 12AUG2025 0726	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	0.0160	w/w%	0.0030	N/A
Dihydrokavain	Report Results	0.0322	w/w%	0.0030	N/A
Methysticin	Report Results	0.0121	w/w%	0.0030	N/A
Dihydromethysticin	Report Results	0.0171	w/w%	0.0030	N/A
Yangonin	Report Results	0.00891	w/w%	0.0030	N/A
Desmethoxyyangonin	Report Results	0.00730	w/w%	0.0030	N/A
Flavokawain A	Report Results	<LOQ	w/w%	0.0026	N/A
Flavokawain B	Report Results	<LOQ	w/w%	0.0026	N/A
Flavokawain C	Report Results	<LOQ	w/w%	0.0026	N/A
Total Kavalactones	Report Results	0.0936	w/w%	0.0030	N/A

Microbiological Examination		Method Code: T005		Tested: 07AUG2025 1209	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000,000 CFU/g	685	CFU/g	10 CFU/g	PASS
Total Yeast and Mold	NMT 100,000 CFU/g	<LOQ	CFU/g	10 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

Mitragyna Alkaloids (UHPLC-DAD)		Method Code: T102		Tested: 15AUG2025 0543	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	52.9	mg/unit	0.14	N/A
7-Hydroxymitragynine	Report Results	<LOQ	mg/unit	0.14	N/A
Paynantheine	Report Results	0.291	mg/unit	0.14	N/A
Speciogynine	Report Results	<LOQ	mg/unit	0.14	N/A
Speciociliatine	Report Results	<LOQ	mg/unit	0.14	N/A
Total Mitragyna Alkaloids	Report Results	53.2	mg/unit	0.14	N/A

Mitragyna Alkaloids (UHPLC-DAD)		Method Code: T102		Tested: 15AUG2025 0543	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.0148	w/w%	0.00004	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.00004	N/A
Paynantheine	Report Results	0.000081	w/w%	0.00004	N/A
Speciogynine	Report Results	<LOQ	w/w%	0.00004	N/A
Speciociliatine	Report Results	<LOQ	w/w%	0.00004	N/A
Total Mitragyna Alkaloids	Report Results	0.0149	w/w%	0.00004	N/A

Elemental Impurities (ICP-MS)		Method Code: T301		Tested: 15AUG2025 1636	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 2.00	<LOQ	ug/g	0.006	PASS
Cadmium	NMT 0.82	<LOQ	ug/g	0.002	PASS
Mercury	NMT 0.40	0.023	ug/g	0.002	PASS
Lead	NMT 1.20	0.006	ug/g	0.002	PASS

Additional Report Notes

T104 result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured density of 1.007 g/mL and package specified fill volume of 355.0 mL.

Revision History

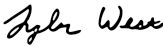
- rev 00 - Initial release.
- rev 01 - Added T102 results.
- rev 02 - Added T301 results.

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:	18AUG2025