



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: SSLL0105
Description: Liquid botanical extract
Condition: Good
Job ID: ISO07214
Sample ID: I20198
Received: 28MAY2026
Completed: 02JUN2026
Issued: 05JUN2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD)		Method Code: T102		Tested: 02JUN2026 0043		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Mitragynine	Report Results	52.6	mg/unit	0.45	N/A	
7-Hydroxymitragynine	Report Results	0.155	mg/unit	0.090	N/A	
Paynantheine	Report Results	0.544	mg/unit	0.45	N/A	
Speciogynine	Report Results	<LOQ	mg/unit	0.45	N/A	
Speciociliatine	Report Results	<LOQ	mg/unit	0.45	N/A	
Total Mitragyna Alkaloids	Report Results	53.3	mg/unit	0.45	N/A	

Mitragyna Alkaloids (UHPLC-DAD)		Method Code: T102		Tested: 02JUN2026 0043		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Mitragynine	Report Results	0.172	w/w%	0.0015	N/A	
7-Hydroxymitragynine	Report Results	0.000507	w/w%	0.00030	N/A	
Paynantheine	Report Results	0.00178	w/w%	0.0015	N/A	
Speciogynine	Report Results	<LOQ	w/w%	0.0015	N/A	
Speciociliatine	Report Results	<LOQ	w/w%	0.0015	N/A	
Total Mitragyna Alkaloids	Report Results	0.174	w/w%	0.0015	N/A	

Kavalactones (UHPLC-DAD)		Method Code: T104		Tested: 30MAY2026 0552		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Kavain	Report Results	52.6	mg/unit	0.48	N/A	
Dihydrokavain	Report Results	117	mg/unit	0.48	N/A	
Methysticin	Report Results	44.6	mg/unit	0.48	N/A	
Dihydromethysticin	Report Results	65.0	mg/unit	0.48	N/A	
Yangonin	Report Results	34.9	mg/unit	0.48	N/A	

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Desmethoxyyangonin	Report Results	41.5	mg/unit	0.48	N/A
Flavokawain A	Report Results	3.99	mg/unit	0.48	N/A
Flavokawain B	Report Results	<LOQ	mg/unit	0.48	N/A
Flavokawain C	Report Results	<LOQ	mg/unit	0.48	N/A
Total Kavalactones	Report Results	355	mg/unit	0.48	N/A

Kavalactones (UHPLC-DAD)		Method Code: T104		Tested: 30MAY2026 0552		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Kavain	Report Results	0.172	w/w%	0.0016	N/A	
Dihydrokavain	Report Results	0.382	w/w%	0.0016	N/A	
Methysticin	Report Results	0.146	w/w%	0.0016	N/A	
Dihydromethysticin	Report Results	0.213	w/w%	0.0016	N/A	
Yangonin	Report Results	0.114	w/w%	0.0016	N/A	
Desmethoxyyangonin	Report Results	0.136	w/w%	0.0016	N/A	
Flavokawain A	Report Results	0.0131	w/w%	0.0016	N/A	
Flavokawain B	Report Results	<LOQ	w/w%	0.0016	N/A	
Flavokawain C	Report Results	<LOQ	w/w%	0.0016	N/A	
Total Kavalactones	Report Results	1.16	w/w%	0.0016	N/A	

Unit Weight Analysis (Gravimetric)		Method Code: T503		Tested: 29MAY2026 1937		
PARAMETER	SPECIFICATION	RESULT	UNIT	RANGE	NOTES	
Density	Report Results	1.019	g/mL	0.5-1.5	N/A	

Additional Report Notes

T102 and T104 results, LOQ and unit converted from w/w% to mg/unit using a laboratory measured density and package specified fill volume.

Revision History

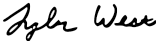
Report ID: e832a527-78a0-454e-94d8-b3c868e29c41
rev 00 - Initial release.

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:	05JUN2026