

# 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:** SLL0010  
**Description:** Liquid botanical extract  
**Condition:** Good  
**Job ID:** ISO02635  
**Sample ID:** I06470  
**Received:** 14OCT2024  
**Completed:** 22OCT2024  
**Issued:** 23OCT2024

## Test Results

### Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 18OCT2024 | 2042

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.174	w/w%	0.0046	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.0012	N/A
Paynantheine	Report Results	<LOQ	w/w%	0.0046	N/A
Speciogynine	Report Results	<LOQ	w/w%	0.0046	N/A
Speciociliatine	Report Results	<LOQ	w/w%	0.0046	N/A
Total Mitragyna Alkaloids	Report Results	0.174	w/w%	0.0046	N/A

### Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 18OCT2024 | 2042

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.77	mg/mL	0.047	N/A
7-Hydroxymitragynine	Report Results	<LOQ	mg/mL	0.012	N/A
Paynantheine	Report Results	<LOQ	mg/mL	0.047	N/A
Speciogynine	Report Results	<LOQ	mg/mL	0.047	N/A
Speciociliatine	Report Results	<LOQ	mg/mL	0.047	N/A
Total Mitragyna Alkaloids	Report Results	1.77	mg/mL	0.047	N/A

### Kavalactones (UHPLC-DAD)

Method Code: T104

Tested: 22OCT2024 | 0336

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	2.71	mg/mL	0.020	N/A
Dihydrokavain	Report Results	2.49	mg/mL	0.020	N/A
Methysticin	Report Results	1.03	mg/mL	0.020	N/A
Dihydromethysticin	Report Results	0.990	mg/mL	0.020	N/A
Yangonin	Report Results	0.911	mg/mL	0.020	N/A
Desmethoxyyangonin	Report Results	1.14	mg/mL	0.020	N/A
Flavokawain A	Report Results	0.170	mg/mL	0.020	N/A
Flavokawain B	Report Results	0.226	mg/mL	0.020	N/A
Flavokawain C	Report Results	<LOQ	mg/mL	0.020	N/A
Total Kavalactones	Report Results	9.26	mg/mL	0.020	N/A

**Kavalactones (UHPLC-DAD)**

Method Code: T104

Tested: 22OCT2024 | 0336

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	0.266	w/w%	0.0020	N/A
Dihydrokavain	Report Results	0.245	w/w%	0.0020	N/A
Methysticin	Report Results	0.102	w/w%	0.0020	N/A
Dihydromethysticin	Report Results	0.097	w/w%	0.0020	N/A
Yangonin	Report Results	0.090	w/w%	0.0020	N/A
Desmethoxyyangonin	Report Results	0.112	w/w%	0.0020	N/A
Flavokawain A	Report Results	0.017	w/w%	0.0020	N/A
Flavokawain B	Report Results	0.022	w/w%	0.0020	N/A
Flavokawain C	Report Results	<LOQ	w/w%	0.0020	N/A
Total Kavalactones	Report Results	0.912	w/w%	0.0020	N/A

## Additional Report Notes

T102 and T104 result, LOQ and unit converted from w/w% to mg/mL using a laboratory measured density of 1.016 g/mL.

## 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:

23OCT2024

