

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:** Shangri La La  
**Lot Number:** LL151927  
**Description:** Finely ground plant material  
**Condition:** Good  
**Job ID:** ISO04363  
**Sample ID:** I11817  
**Received:** 01JUL2025  
**Completed:** 09JUL2025  
**Issued:** 09JUL2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD) Method Code: T102 Tested: 09JUL2025 | 0331

| PARAMETER                 | SPECIFICATION  | RESULT | UNIT | LOQ    | NOTES |
|---------------------------|----------------|--------|------|--------|-------|
| Mitragynine               | Report Results | 1.41   | w/w% | 0.0029 | N/A   |
| 7-Hydroxymitragynine      | Report Results | <LOQ   | w/w% | 0.0029 | N/A   |
| Paynantheine              | Report Results | 0.275  | w/w% | 0.0029 | N/A   |
| Speciogynine              | Report Results | 0.202  | w/w% | 0.0029 | N/A   |
| Speciociliatine           | Report Results | 0.416  | w/w% | 0.0029 | N/A   |
| Total Mitragyna Alkaloids | Report Results | 2.30   | w/w% | 0.0029 | N/A   |

Elemental Impurities (ICP-MS) Method Code: T301 Tested: 08JUL2025 | 1518

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ   | NOTES |
|-----------|---------------|--------|------|-------|-------|
| Arsenic   | NMT 2.00      | 0.371  | ug/g | 0.006 | PASS  |
| Cadmium   | NMT 0.82      | 0.064  | ug/g | 0.002 | PASS  |
| Mercury   | NMT 0.40      | 0.012  | ug/g | 0.002 | PASS  |
| Lead      | NMT 1.20      | 0.286  | 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  | 470          | CFU/g | 20 CFU/g   | PASS  |
| Total Yeast and Mold        | NMT 100,000 CFU/g     | <LOQ         | 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:

|                   |                                                                                     |                    |                     |
|-------------------|-------------------------------------------------------------------------------------|--------------------|---------------------|
| <b>Signature:</b> |  | <b>Position:</b>   | Laboratory Director |
|                   |                                                                                     | <b>Department:</b> | Management          |
| <b>Name:</b>      | Tyler West                                                                          | <b>Date:</b>       | 09JUL2025           |