

## 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:** 99 Red Bali  
**Lot Number:** RB151926  
**Description:** Finely ground plant material  
**Condition:** Good  
**Job ID:** ISO01828  
**Sample ID:** I03945  
**Received:** 13MAR2024  
**Completed:** 19MAR2024  
**Issued:** 20AUG2024

## Test Results

## Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 16MAR2024 | 2147

| PARAMETER                 | SPECIFICATION  | RESULT | UNIT | LOQ   | NOTES |
|---------------------------|----------------|--------|------|-------|-------|
| Mitragynine               | Report Results | 1.37   | w/w% | 0.011 | N/A   |
| 7-Hydroxymitragynine      | Report Results | 0.005  | w/w% | 0.003 | N/A   |
| Paynantheine              | Report Results | 0.271  | w/w% | 0.011 | N/A   |
| Speciogynine              | Report Results | 0.209  | w/w% | 0.011 | N/A   |
| Speciociliatine           | Report Results | 0.359  | w/w% | 0.011 | N/A   |
| Total Mitragyna Alkaloids | Report Results | 2.22   | w/w% | 0.011 | N/A   |

## Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 17MAR2024 | 1929

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ    | NOTES |
|-----------|---------------|--------|------|--------|-------|
| Arsenic   | NMT 2.0       | 0.0787 | ug/g | 0.043  | PASS  |
| Cadmium   | NMT 0.82      | 0.0166 | ug/g | 0.0086 | PASS  |
| Lead      | NMT 1.20      | 0.791  | ug/g | 0.0086 | PASS  |
| Mercury   | NMT 0.40      | 0.0292 | ug/g | 0.0086 | PASS  |

## Microbiological Examination

Method Code: T005

Tested: 17MAR2024 | 0951

| PARAMETER                 | SPECIFICATION            | RESULT       | UNIT     | LOQ            | NOTES |
|---------------------------|--------------------------|--------------|----------|----------------|-------|
| Total Aerobic Plate Count | 10,000,000 CFU/gram      | 580          | CFU/gram | 20 CFU/gram    | PASS  |
| Total Yeast & Mold        | 100,000 CFU/gram         | Not Detected | CFU/gram | 20 CFU/gram    | PASS  |
| Total Coliforms           | 10,000 CFU/gram          | Not Detected | CFU/gram | 20 CFU/gram    | PASS  |
| Escherichia coli          | Not Detected in 10 grams | Not Detected | N/A      | 1 CFU/10 grams | PASS  |
| Salmonella                | Not Detected in 25 grams | Not Detected | N/A      | 1 CFU/25 grams | PASS  |

## Additional Report Notes

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T301 performed by a registered outsourcing facility.

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## Revision History

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rev 00 - Initial release.

rev 01 - Updated T301 specifications.

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## Abbreviations

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**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

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## Authorization

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This report has been authorized for release from Cora Science by:

**Signature:**



**Position:**

Laboratory Director

**Department:**

Management

**Name:**

Tyler West

**Date:**

20AUG2024