

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: Irene's Goodnight
Lot Number: 151926
Description: Finely ground plant material
Condition: Good
Job ID: ISO02387
Sample ID: I05713
Received: 14AUG2024
Completed: 21AUG2024
Issued: 21AUG2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 20AUG2024 | 1954

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---------------------------|----------------|--------|------|-------|-------|
| Mitragynine | Report Results | 0.821 | w/w% | 0.011 | N/A |
| 7-Hydroxymitragynine | Report Results | 0.004 | w/w% | 0.003 | N/A |
| Paynantheine | Report Results | 0.169 | w/w% | 0.011 | N/A |
| Speciogynine | Report Results | 0.127 | w/w% | 0.011 | N/A |
| Speciocilatine | Report Results | 0.213 | w/w% | 0.011 | N/A |
| Total Mitragyna Alkaloids | Report Results | 1.33 | w/w% | 0.011 | N/A |

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 20AUG2024 | 1523

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|-----------|---------------|---------|------|--------|-------|
| Arsenic | NMT 2.0 | 0.116 | ug/g | 0.0060 | PASS |
| Cadmium | NMT 0.82 | 0.0168 | ug/g | 0.0020 | PASS |
| Lead | NMT 1.20 | 0.331 | ug/g | 0.0020 | PASS |
| Mercury | NMT 0.40 | 0.00573 | ug/g | 0.0020 | PASS |

Microbiological Examination

Method Code: T005

Tested: 19AUG2024 | 0929

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---------------------------|--------------------------|--------------|----------|----------------|-------|
| Total Aerobic Plate Count | 10,000,000 CFU/gram | 380 | CFU/gram | 20 CFU/gram | PASS |
| Total Yeast & Mold | 100,000 CFU/gram | 20 | 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

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:

Signature:



Position:

Laboratory Director

Department:

Management

Name:

Tyler West

Date:

21AUG2024