



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: Sand Panther's Super Gold
Lot Number: SP151928
Description: Finely ground plant material
Condition: Good
Job ID: ISO06375
Sample ID: I17778
Received: 20FEB2026
Completed: 26FEB2026
Issued: 27FEB2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 26FEB2026 | 0240

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---------------------------|----------------|--------|------|---------|-------|
| Mitragynine | Report Results | 1.27 | w/w% | 0.0054 | N/A |
| 7-Hydroxymitragynine | Report Results | 0.0106 | w/w% | 0.00072 | N/A |
| Paynantheine | Report Results | 0.238 | w/w% | 0.0054 | N/A |
| Speciogynine | Report Results | 0.182 | w/w% | 0.0054 | N/A |
| Speciociliatine | Report Results | 0.338 | w/w% | 0.0054 | N/A |
| Total Mitragyna Alkaloids | Report Results | 2.04 | w/w% | 0.0054 | N/A |

Moisture Content

Method Code: T505

Tested: 25FEB2026 | 1206

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|-----------|----------------|--------|------|-----|-------|
| Moisture | Report Results | 5.39 | % | 0.1 | N/A |

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 24FEB2026 | 1457

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|-----------|---------------|--------|------|-------|-------|
| Arsenic | NMT 2.00 | 0.248 | ug/g | 0.006 | PASS |
| Cadmium | NMT 0.82 | 0.022 | ug/g | 0.002 | PASS |
| Mercury | NMT 0.40 | 0.008 | ug/g | 0.002 | PASS |
| Lead | NMT 1.20 | 0.486 | ug/g | 0.002 | PASS |

Microbiological Examination

Method Code: T005

Tested: 25FEB2026 | 1525

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---------------------------|----------------------|--------------|-------|-----------|-------|
| Total Aerobic Plate Count | NMT 10,000 CFU/g | 140 | CFU/g | 20 CFU/g | PASS |
| Total Yeast and Mold | NMT 1,000 CFU/g | <LOQ | CFU/g | 20 CFU/g | PASS |
| Salmonella spp. | Not Detected in 25 g | Not Detected | N/A | 1 CFU/25g | PASS |

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|-------------------------------|----------------------|--------------|------|-----------|-------|
| Shiga-toxin producing E. coli | Not Detected in 25 g | Not Detected | N/A | 1 CFU/25g | PASS |

7-Hydroxymitragynine Limit (0.04%)

Method Code: 813

Tested: 26FEB2026 | 0240

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|----------------------|---------------|--------|------|-----|-------|
| 7-Hydroxymitragynine | NMT 400 PPM | 112 | ppm | 8 | PASS |

7-Hydroxymitragynine Relative Alkaloid Ratio

Method Code: T102

Tested: 26FEB2026 | 0240

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|----------------------|----------------|--------|----------------------|-----|-------|
| 7-Hydroxymitragynine | Report Results | 0.520 | % of Total Alkaloids | N/A | N/A |

Additional Report Notes

T813 results are reported on a dry-weight basis (DWB). Reported values converted from T102 results using the laboratory-measured moisture content by T505 for each sample:

DWB w/w% = (as-received w/w%) ÷ (1 – moisture%/100).

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:

27FEB2026