

Certificate of Analysis



Customer Information

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|-----------------------------|
| Trade-Sensitive Information |
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| Trade-Sensitive Information |

Testing Facility

|          |                                                      |
|----------|------------------------------------------------------|
| Lab:     | Cora Science, LLC                                    |
| Address  | 8000 Anderson Square, STE 113<br>Austin, Texas 78757 |
| Contact: | info@corascience.com<br>(512) 856-5007               |

Sample Image(s)



Sample Information

|              |                              |
|--------------|------------------------------|
| Name:        | 12032408                     |
| Lot Number:  | 120324                       |
| Description: | Finely ground plant material |
| Condition:   | Good                         |
| Job ID:      | ISO02950                     |
| Sample ID:   | I07485                       |
| Received:    | 12DEC2024                    |
| Completed:   | 17DEC2024                    |
| Issued:      | 18DEC2024                    |

Test Results

Mitragyna Alkaloids (UHPLC-DAD)Method Code: T102Tested: 17DEC2024 | 0109

| PARAMETER                 | SPECIFICATION  | RESULT | UNIT | LOQ   | NOTES |
|---------------------------|----------------|--------|------|-------|-------|
| Mitragynine               | Report Results | 1.53   | w/w% | 0.011 | N/A   |
| 7-Hydroxymitragynine      | Report Results | <LOQ   | w/w% | 0.003 | N/A   |
| Paynantheine              | Report Results | 0.300  | w/w% | 0.011 | N/A   |
| Speciogynine              | Report Results | 0.232  | w/w% | 0.011 | N/A   |
| Speciociliatine           | Report Results | 0.452  | w/w% | 0.011 | N/A   |
| Total Mitragyna Alkaloids | Report Results | 2.52   | w/w% | 0.011 | N/A   |

Elemental Impurities (ICP-MS)Method Code: T301Tested: 13DEC2024 | 1525

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ   | NOTES |
|-----------|---------------|--------|------|-------|-------|
| Arsenic   | NMT 2.00      | 1.18   | ug/g | 0.006 | PASS  |
| Cadmium   | NMT 0.50      | 0.024  | ug/g | 0.002 | PASS  |
| Mercury   | NMT 0.20      | <LOQ   | ug/g | 0.002 | PASS  |
| Lead      | NMT 5.00      | 0.798  | ug/g | 0.002 | PASS  |

Microbiological ExaminationMethod Code: T005Tested: 12DEC2024 | 1335

| PARAMETER                 | SPECIFICATION        | RESULT       | UNIT | LOQ          | NOTES |
|---------------------------|----------------------|--------------|------|--------------|-------|
| Total Aerobic Plate Count | 10,000,000 CFU / g   | 140          | N/A  | 20 CFU / g   | PASS  |
| Total Yeast and Mold      | 100,000 CFU / g      | Not Detected | N/A  | 20 CFU / g   | PASS  |
| Total Coliforms           | 10,000 CFU / g       | Not Detected | N/A  | 20 CFU / g   | PASS  |
| Escherichia coli          | Not Detected in 10 g | Not Detected | N/A  | 1 CFU / 10 g | PASS  |
| Salmonella                | Not Detected in 25 g | Not Detected | N/A  | 1 CFU / 25 g | PASS  |

This report, prepared by Cora Science, LLC, shall not be reproduced except in its entirety without prior written approval. All test articles are analyzed as received and the results relate only to the specific sample of material or product analyzed. Test methods are performed in a laboratory accredited to ISO/IEC 17025:2017 in the field of testing by PJLA (Accreditation #116374) or a registered outsourcing facility. Some test methods reported may fall outside the scope of L22-250 supplement.

# Additional Report Notes

N/A

# Revision History

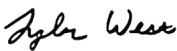
rev 00 - Initial release.

# 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>       | 18DEC2024           |