# Certificate of Analysis

## Customer Information

**Client:** Kats Botanicals
**Attention:** mike@katsbotanicals.com
**Address:** 750 Hickory Industrial
Old Hickory, TN 37138

## 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:** KB-623-TPS
**Lot Number:** 623041ATWP
**Description:** Finely ground plant material
**Condition:** Good
**Job ID:** ISO02383
**Sample ID:** I05691
**Received:** 13AUG2024
**Completed:** 20AUG2024
**Issued:** 20AUG2024

# Test Results

**Mitragyna Alkaloids (UHPLC-DAD)** **Method Code: T102** **Tested: 20AUG2024 | 0151**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---|---|---|---|---|---|
| Mitragynine | Report Results | 1.15 | w/w% | 0.011 | N/A |
| 7-Hydroxymitragynine | Report Results | 0.004 | w/w% | 0.003 | N/A |
| Paynantheine | Report Results | 0.227 | w/w% | 0.011 | N/A |
| Speciogynine | Report Results | 0.174 | w/w% | 0.011 | N/A |
| Speciocilatine | Report Results | 0.379 | w/w% | 0.011 | N/A |
| Total Mitragyna Alkaloids | Report Results | 1.93 | w/w% | 0.011 | N/A |

**Elemental Impurities (ICP-MS)** **Method Code: T301** **Tested: 19AUG2024 | 1623**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---|---|---|---|---|---|
| Arsenic | NMT 2.0 | 0.198 | ug/g | 0.0060 | PASS |
| Cadmium | NMT 0.5 | 0.0139 | ug/g | 0.0020 | PASS |
| Lead | NMT 5.0 | 0.855 | ug/g | 0.0020 | PASS |
| Mercury | NMT 0.2 | 0.00885 | ug/g | 0.0020 | PASS |

**Microbiological Examination** **Method Code: T005** **Tested: 15AUG2024 | 1230**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---|---|---|---|---|---|
| Total Aerobic Plate Count | 10,000,000 CFU/gram | 1,020 | CFU/gram | 20 CFU/gram | PASS |
| Total Yeast & Mold | 100,000 CFU/gram | 130 | 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 |

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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:

**Signature:** 

**Name:** Tyler West

**Position:** Laboratory Director

**Department:** Management

**Date:** 20AUG2024

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