# Certificate of Analysis

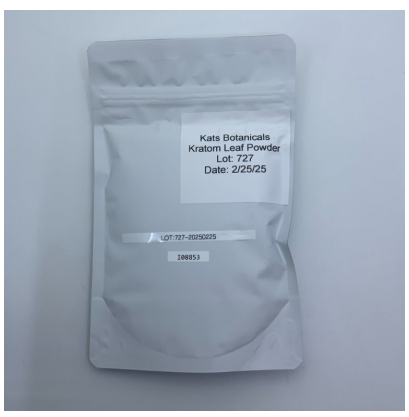
## Customer Information

**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-727-TPS
**Lot Number:** 727079DBP
**Description:** Finely ground plant material
**Condition:** Good
**Job ID:** ISO03452
**Sample ID:** I08853
**Received:** 28FEB2025
**Completed:** 06MAR2025
**Issued:** 07MAR2025

# Test Results

**Mitragyna Alkaloids (UHPLC-DAD)** **Method Code: T102** **Tested: 06MAR2025 | 1804**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---|---|---|---|---|---|
| Mitragynine | Report Results | 1.23 | w/w% | 0.011 | N/A |
| 7-Hydroxymitragynine | Report Results | <LOQ | w/w% | 0.003 | N/A |
| Paynantheine | Report Results | 0.232 | w/w% | 0.011 | N/A |
| Speciogynine | Report Results | 0.173 | w/w% | 0.011 | N/A |
| Speciociliatine | Report Results | 0.376 | w/w% | 0.011 | N/A |
| Total Mitragyna Alkaloids | Report Results | 2.01 | w/w% | 0.011 | N/A |

**Elemental Impurities (ICP-MS)** **Method Code: T301** **Tested: 06MAR2025 | 1001**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---|---|---|---|---|---|
| Arsenic | NMT 2.00 | 0.019 | ug/g | 0.006 | PASS |
| Cadmium | NMT 0.50 | 0.020 | ug/g | 0.002 | PASS |
| Mercury | NMT 0.20 | 0.023 | ug/g | 0.002 | PASS |
| Lead | NMT 5.00 | 0.558 | ug/g | 0.002 | PASS |

**Microbiological Examination** **Method Code: T005** **Tested: 03MAR2025 | 1620**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---|---|---|---|---|---|
| Total Aerobic Plate Count | 10,000,000 CFU / g | 1,150 | CFU/g | 20 CFU / g | PASS |
| Total Yeast and Mold | 100,000 CFU / g | 260 | CFU/g | 20 CFU / g | PASS |
| Total Coliforms | 10,000 CFU / g | Not Detected | CFU/g | 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 |

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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:** 07MAR2025

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