# Certificate of Analysis

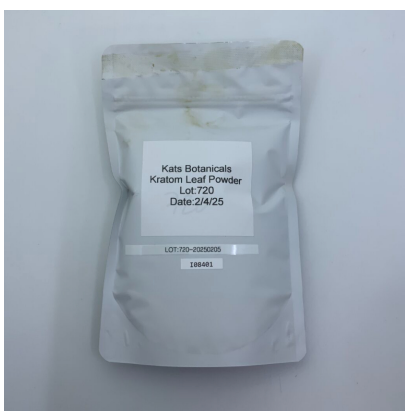
## Customer Information

| | |
|---|---|
| **Client:** | Kats Botanicals |
| **Attention:** | mike@katsbotanicals.com |
| **Address:** | 750 Hickory Industrial<br>Old Hickory, TN 37138 |

## 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:** | KB-720-TPS |
| **Lot Number:** | 720063SGP |
| **Description:** | Finely ground plant material |
| **Condition:** | Good |
| **Job ID:** | ISO03307 |
| **Sample ID:** | I08401 |
| **Received:** | 10FEB2025 |
| **Completed:** | 20FEB2025 |
| **Issued:** | 20FEB2025 |

# Test Results

**Mitragyna Alkaloids (UHPLC-DAD)** **Method Code: T102** **Tested: 15FEB2025 | 1035**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---|---|---|---|---|---|
| Mitragynine | Report Results | 1.35 | w/w% | 0.011 | N/A |
| 7-Hydroxymitragynine | Report Results | 0.010 | w/w% | 0.003 | N/A |
| Paynantheine | Report Results | 0.251 | w/w% | 0.011 | N/A |
| Speciogynine | Report Results | 0.192 | w/w% | 0.011 | N/A |
| Speciociliatine | Report Results | 0.390 | w/w% | 0.011 | N/A |
| Total Mitragyna Alkaloids | Report Results | 2.19 | w/w% | 0.011 | N/A |

**Elemental Impurities (ICP-MS)** **Method Code: T301** **Tested: 20FEB2025 | 1659**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---|---|---|---|---|---|
| Arsenic | NMT 2.00 | 0.259 | ug/g | 0.006 | PASS |
| Cadmium | NMT 0.50 | 0.019 | ug/g | 0.002 | PASS |
| Mercury | NMT 0.20 | 0.030 | ug/g | 0.002 | PASS |
| Lead | NMT 5.00 | 0.626 | ug/g | 0.002 | PASS |

**Microbiological Examination** **Method Code: T005** **Tested: 10FEB2025 | 1344**

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---|---|---|---|---|---|
| Total Aerobic Plate Count | 10,000,000 CFU / g | 1,847 | CFU/g | 20 CFU / g | PASS |
| Total Yeast and Mold | 100,000 CFU / g | 190 | 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.
rev 01 - Added T301 results.

# 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:** | Tyler West | **Position:** | Laboratory Director |
| | | **Department:** | Management |
| **Name:** | Tyler West | **Date:** | 20FEB2025 |

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