# Certificate of Analysis

## CUSTOMER INFORMATION

Client Name: Kats Botanicals
Attention: Mike Greenberg
Address: 6300 N. Andrews Ave #297
Ft. Lauderdale, FL 33309
Phone Number: (877) 301-9923

## TESTING FACILITY

**Cora Science, LLC**
8000 Anderson Square, STE 113
Austin, Texas 78757
(512) 856-5007
info@corascience.com

## SAMPLE IMAGE(S)




## JOB / SAMPLE INFORMATION

**Received:** 19 APR 2023
**Condition:** Good
**Job ID:** ISO01207
**Sample ID:** I01612
**Sample Name:** Kratom Powder
Lot 0002622
**Description:** Finely ground plant material
**Completed:** 27 APR 2023
**Issued:** 28 APR 2023

## TEST RESULT(S)

**Mitragyna Alkaloids Assay (UHPLC-DAD)** — Method Code: T102 — Tested: 21APR2023 | 1708

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---|---|---|---|---|---|
| Mitragynine | Report Results | 1.256 | w/w% | 0.021 | N/A |
| 7-Hydroxymitragynine | Report Results | <LOQ | w/w% | 0.021 | N/A |
| Paynantheine | Report Results | 0.233 | w/w% | 0.021 | N/A |
| Speciogynine | Report Results | 0.213 | w/w% | 0.021 | N/A |
| Speciociliatine | Report Results | 0.437 | w/w% | 0.021 | N/A |
| Total Alkaloids | Report Results | 2.141 | w/w% | 0.021 | N/A |

**Elemental Impurities (ICP-MS)** — Method Code: T301 — Tested: 27APR2023 | 2048

| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
|---|---|---|---|---|---|
| Arsenic | NMT 1.0 | 0.20 | ug/g | 0.049 | PASS |
| Cadmium | NMT 0.4 | 0.099 | ug/g | 0.0097 | PASS |
| Lead | NMT 1.25 | 0.29 | ug/g | 0.0097 | PASS |
| Mercury | NMT 0.2 | 0.061 | ug/g | 0.0097 | PASS |

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| Microbiological Examination | | Method Code: | T005 | Tested: | 24APR2023 I 1058 |
|---|---|---|---|---|---|
| PARAMETER | SPECIFICATION | RESULT | UNIT | LOQ | NOTES |
| Total Aerobic Plate Count | 10,000,000 CFU/gram | 240 | CFU/gram | 20 CFU/gram | PASS |
| Total Yeast & Mold | 100,000 CFU/gram | Not Detected | 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 |

## ADDITIONAL REPORT NOTES

T301 performed by a registered outsourcing facility. Specifications provided by client.

## REVISION HISTORY

rev00 Initial release.

This report has been authorized for release from Cora Science by:

**Signature:** Tyler West **Department:** Management

**Name:** Tyler West, Laboratory Director **Date:** 28 APR 2023

## 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

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