



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 04/12/2023

Analysis ID No. 231036
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Purchase Order: 20230266
 Page No. Page 1 of 2

| CUSTOMER INFORMATION | SAMPLE INFORMATION |
|--|--|
| Company Name: Kats Kratom | Submitted Sample Name: Kratom Leaf Powder |
| Address: 619 Old Hickory Blvd, Old Hickory, TN 37138 | Submitted Sample Lot: 353317SGP |
| Phone Number: 877-301-9923 | Submitted Sample Description: Green Powder in White Resealable Bag; Stored at RT |
| Contact Name / Email: Not Provided | Submitted Sample Product Type / Matrix: Kratom Leaf Powder / Plant Matter |

| ALKALOIDS ASSAY | | | | | |
|--------------------|-------------|-----------|--|---------------------------|------------------|
| Analysis | Test Method | LOQ | Specifications | Test Results | Pass / Fail |
| Mitragynine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 1.619 w/w% 16.188 mg/g | Results Reported |
| Paynantheine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.328 w/w% 3.278 mg/g | Results Reported |
| Speciogynine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.249 w/w% 2.493 mg/g | Results Reported |
| Speciociliatine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.447 w/w% 4.468 mg/g | Results Reported |
| 7-OH-Mitragynine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only % of Total Alkaloids: NMT 2% | < 0.010 w/w% | PASS |
| Mitraphylline | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | < 0.010 w/w% | Results Reported |
| Isorhynchophylline | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | < 0.010 w/w% | Results Reported |
| Corynoxine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | < 0.010 w/w% | Results Reported |
| Total Alkaloids | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 2.643 w/w% 26.428 mg/g | Results Reported |

| MICROBIOLOGICAL ASSAY | | | | | |
|----------------------------------|----------------|-------------|-----------------------|--------------|-------------|
| Analysis | Test Method | LOQ | Specifications | Test Results | Pass / Fail |
| Total Aerobic Plate Count (TAPC) | Isolation Agar | 20 CFU/gm | NMT 10,000,000 CFU/gm | 360 CFU/gm | PASS |
| Total Yeast & Mold (TYM) | Isolation Agar | 20 CFU/gm | NMT 100,000 CFU/gm | < LOQ | PASS |
| Coliforms | Isolation Agar | 20 CFU/gm | NMT 10,000 CFU/gm | < LOQ | PASS |
| Escherichia coli (E.coli) | Isolation Agar | 1 CFU/10 gm | Absent in 10 gm | Absent | PASS |
| Salmonella | Isolation Agar | 1 CFU/25 gm | Absent in 25 gm | Absent | PASS |

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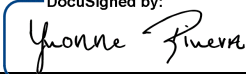
| HEAVY METALS ASSAY | | | | | |
|--------------------|------------------------------|-------------|------------------|--------------|-------------|
| Analysis | Test Method | LOQ | Specifications | Test Results | Pass / Fail |
| Lead | USP <232> <233> by ICP-MS | 0.01 mcg/g | NMT 1.250 mcg/g | 0.715 mcg/g | PASS |
| Mercury | USP <232> <233> by ICP-MS | 0.005 mcg/g | NMT 0.200 mcg/g | 0.020 mcg/g | PASS |
| Arsenic | USP <232> <233> by ICP-MS | 0.01 mcg/g | NMT 1.000 mcg/g | 0.254 mcg/g | PASS |
| Cadmium | USP <232> <233> by ICP-MS | 0.01 mcg/g | NMT 0.400 mcg/g | 0.026 mcg/g | PASS |
| Nickel | USP <232> <233> by ICP-MS | 0.05 mcg/g | NMT 20.000 mcg/g | 2.545 mcg/g | PASS |

| TESTING FACILITY INFORMATION | SAMPLE INFORMATION |
|--|--|
| Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA | Santé Sample ID: 231036 Receipt Date: 04/07/2023 / 12:00 PM CST / J. Leiva Receipt Condition: Good Analysis Start Date: 04/10/2023 |

| ADDITIONAL REPORT NOTES |
|---|
| The reported results presented in this document is only applicable to samples submitted to Santé Laboratories for testing and may not represent the entire lot and/or batch produced by the manufacturer. Heavy metal specifications according to limits provided by Customer. Microbiological specifications follow AHPA guidelines for botanical ingredients (non-extract). ©2020 Santé Laboratories, LLC – All Rights Reserved |

| VERSION HISTORY | | |
|-----------------|----------------|--------------------|
| Version | Effective Date | Summary of Changes |
| 00 | 04/12/2023 | Initial Release |

| PRODUCT SAMPLE / IMAGE |
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| REVIEWED AND APPROVED BY | |
|--|--|
| DocuSigned by:  Yvonne Rivera E49DDA845186484... Data Management Specialist Santé Laboratories | 12 April 2023 3:04:57 PM PDT Date |

Santé Laboratories, LLC - 8201 East Riverside Drive, STE 650, Austin, Texas 78744 USA
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