



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 05/02/2023

Analysis ID No. 231238
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Purchase Order: 20230314
 Page No. Page 1 of 2

| CUSTOMER INFORMATION | SAMPLE INFORMATION |
|---|--|
| Company Name: Kratom Spot | Submitted Sample Name: Kratom Leaf Powder |
| Address: NA | Submitted Sample Lot: 112 |
| Phone Number: 888-510-2038 | Submitted Sample Description: Green Powder in White Resealable Bag; Stored at RT |
| Contact Name / Email: info@kratomspot.com | 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 | 1.529 w/w% 15.287 mg/g | Results Reported |
| Paynantheine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.303 w/w% 3.034 mg/g | Results Reported |
| Speciogynine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.182 w/w% 1.819 mg/g | Results Reported |
| Speciociliatine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.395 w/w% 3.955 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 | 2.410 w/w% 24.096 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 | 100 CFU/gm | PASS |
| Total Yeast & Mold (TYM) | Isolation Agar | 20 CFU/gm | NMT 100,000 CFU/gm | 20 CFU/gm | 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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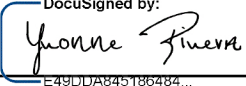
| HEAVY METALS ASSAY | | | | | |
|--------------------|------------------------------|--------|-----------------|--------------|-------------|
| Analysis | Test Method | LOQ | Specifications | Test Results | Pass / Fail |
| Lead | USP <232> <233> by ICP-MS | 10 ppb | NMT 1,000 ppb | 568.3 ppb | PASS |
| Mercury | USP <232> <233> by ICP-MS | 5 ppb | NMT 500 ppb | 16.7 ppb | PASS |
| Arsenic | USP <232> <233> by ICP-MS | 10 ppb | NMT 1,500 ppb | 239.5 ppb | PASS |
| Cadmium | USP <232> <233> by ICP-MS | 10 ppb | NMT 300 ppb | 30.4 ppb | PASS |
| Nickel | USP <232> <233> by ICP-MS | 50 ppb | NMT 200,000 ppb | 2,516.3 ppb | PASS |

| TESTING FACILITY INFORMATION | SAMPLE INFORMATION |
|--|--|
| Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA | Santé Sample ID: 231238 Receipt Date: 04/21/2023 / 11:42 AM CST / K. Cobbett Receipt Condition: Good Analysis Start Date: 04/24/2023 |

| ADDITIONAL REPORT NOTES |
|---|
| <p>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 defined by Texas DSHS for consumable hemp. Nickel specification according to oral drug products per USP <232>. Microbiological specifications follow AHPA guidelines for botanical ingredients (non-extract).</p> <p>©2020 Santé Laboratories, LLC – All Rights Reserved</p> |

| VERSION HISTORY | | |
|-----------------|----------------|--------------------|
| Version | Effective Date | Summary of Changes |
| 00 | 05/02/2023 | Initial Release |

| PRODUCT SAMPLE / IMAGE |
|--|
|  |

| REVIEWED AND APPROVED BY | |
|--|---|
| <p>DocuSigned by:  E49DDA845186484...</p> <p>Yvonne Rivera Data Management Specialist Santé Laboratories</p> | <p>02 May 2023 1:49:05 PM PDT</p> <p>_____ Date</p> |