



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 03/31/2023

Analysis ID No. 230868
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Purchase Order: 20230224
 Page No. Page 1 of 2

| CUSTOMER INFORMATION | SAMPLE INFORMATION |
|---|--|
| Company Name: Durity Distribution, LLC | Submitted Sample Name: Mit Therapy Mixed Malay 90 ct Caps |
| Address: 2623 S. Fry St Unit 154 & 152, Boise, ID 83709 | Submitted Sample Lot: 03/15/23 Z1WM0303 |
| Phone Number: 208-971-5143 | Submitted Sample Description: Encapsulated Powder in Retail Packaging; Stored at Rm Temp |
| Contact Name / Email: Evan Drake Fischer / drakefischer74@gmail.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 mg/unit: Report Only* | 1.769 w/w% 17.694 mg/g 9.608 mg/unit | Results Reported |
| Paynantheine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only mg/unit: Report Only* | 0.472 w/w% 4.724 mg/g 2.565 mg/unit | Results Reported |
| Speciogynine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only mg/unit: Report Only* | 0.249 w/w% 2.485 mg/g 1.349 mg/unit | Results Reported |
| Speciociliatine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only mg/unit: Report Only* | 0.420 w/w% 4.205 mg/g 2.283 mg/unit | Results Reported |
| 7-OH-Mitragynine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only mg/unit: 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 mg/unit: Report Only* | < 0.010 w/w% | Results Reported |
| Isorhynchophylline | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only mg/unit: Report Only* | < 0.010 w/w% | Results Reported |
| Corynoxine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only mg/unit: Report Only* | 0.032 w/w% 0.323 mg/g 0.175 mg/unit | Results Reported |
| Total Alkaloids | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only mg/unit: Report Only* | 2.943 w/w% 29.431 mg/g 15.981 mg/unit | 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 | 194,500 CFU/gm | PASS |
| Total Yeast & Mold (TYM) | Isolation Agar | 20 CFU/gm | NMT 100,000 CFU/gm | 8,000 CFU/gm | PASS |
| Coliforms | Isolation Agar | 20 CFU/gm | NMT 10,000 CFU/gm | 5,600 CFU/gm | PASS |
| Escherichia coli (E.coli) | Isolation Agar | 1 CFU/10 gm | Absent in 10 gm | Absent | PASS |
| Salmonella | Isolation Agar | 1 CFU/10 gm | Absent in 25 gm | Absent | PASS |

Santé Laboratories, LLC - 8201 East Riverside Drive, STE 650, Austin, Texas 78744 USA
 Email: Testing@santelabs.com - Telephone: 512-309-5830 - Website: www.santelabs.com

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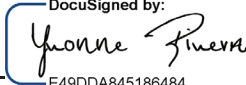
| HEAVY METALS ASSAY | | | | | |
|--------------------|---------------------------|--------|-----------------|--------------|-------------|
| Analysis | Test Method | LOQ | Specifications | Test Results | Pass / Fail |
| Lead | USP <232> <233> by ICP-MS | 10 ppb | NMT 1,000 ppb | 407.3 ppb | PASS |
| Mercury | USP <232> <233> by ICP-MS | 5 ppb | NMT 500 ppb | 15.8 ppb | PASS |
| Arsenic | USP <232> <233> by ICP-MS | 10 ppb | NMT 1,500 ppb | 120.4 ppb | PASS |
| Cadmium | USP <232> <233> by ICP-MS | 10 ppb | NMT 300 ppb | 28.2 ppb | PASS |
| Nickel | USP <232> <233> by ICP-MS | 50 ppb | NMT 200,000 ppb | 2,086.6 ppb | PASS |

| TESTING FACILITY INFORMATION | SAMPLE INFORMATION |
|--|---|
| Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA | Santé Sample ID: 230868 Receipt Date: 03/24/2023 / 10:10 AM CST / M. Husain Receipt Condition: Good Analysis Start Date: 03/27/2023 |

| 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). * Unit Weight: 0.543 grams, this is based on the average of five (5) unit weights.</p> <p>©2020 Santé Laboratories, LLC – All Rights Reserved</p> |

| VERSION HISTORY | | |
|-----------------|----------------|--------------------|
| Version | Effective Date | Summary of Changes |
| 00 | 03/31/2023 | Initial Release |

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

| REVIEWED AND APPROVED BY | |
|--|---|
| <p>DocuSigned by:  E49DDA845186484...</p> <p>Yvonne Rivera Data Management Specialist Santé Laboratories</p> | <p>31 March 2023 1:51:46 PM PDT</p> <p>_____ Date</p> |