



# CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 04/19/2024

Analysis ID No. 240603  
TDA License No. 2020002  
ISO/IEC No. 1055838  
Purchase Order: 20240148  
Page No. Page 1 of 2

| CUSTOMER INFORMATION                  | SAMPLE INFORMATION                                      |
|---------------------------------------|---------------------------------------------------------|
| <b>Client Name:</b>                   | <b>Submitted Sample Name:</b>                           |
| Plant Specimen Supply                 | Tablets                                                 |
| <b>Address:</b>                       | <b>Submitted Sample Lot:</b>                            |
| 3161 Major St # 205, Fort Worth 76112 | FT010224BATB                                            |
| <b>Phone Number:</b>                  | <b>Submitted Sample Description:</b>                    |
| 817-401-4292                          | Off-White Tablets in White Resealable Bag; Stored at RM |
| <b>Contact Name / Email:</b>          | <b>Submitted Sample Product Type / Matrix:</b>          |
| Mark Thompson / mark@icandms.com      | Kratom Extract / Tablets                                |

| ALKALOIDS ASSAY    |             |           |                                                                                                 |                                             |                  |
|--------------------|-------------|-----------|-------------------------------------------------------------------------------------------------|---------------------------------------------|------------------|
| Analysis           | Test Method | LOQ       | Specifications                                                                                  | Test Results                                | Pass / Fail      |
| Mitragynine        | UHPLC-DAD   | 0.01 w/w% | w/w%: Report Only<br>mg/g: Report Only<br>mg/unit: Report Only*                                 | 1.932 w/w%<br>19.324 mg/g<br>19.112 mg/unit | Results Reported |
| Paynantheine       | UHPLC-DAD   | 0.01 w/w% | w/w%: Report Only<br>mg/g: Report Only<br>mg/unit: Report Only*                                 | 0.300 w/w%<br>3.003 mg/g<br>2.970 mg/unit   | Results Reported |
| Speciogynine       | UHPLC-DAD   | 0.01 w/w% | w/w%: Report Only<br>mg/g: Report Only<br>mg/unit: Report Only*                                 | 0.226 w/w%<br>2.259 mg/g<br>2.234 mg/unit   | Results Reported |
| Speciociliatine    | UHPLC-DAD   | 0.01 w/w% | w/w%: Report Only<br>mg/g: Report Only<br>mg/unit: Report Only*                                 | 0.553 w/w%<br>5.532 mg/g<br>5.471 mg/unit   | Results Reported |
| 7-OH-Mitragynine   | UHPLC-DAD   | 0.01 w/w% | w/w%: Report Only<br>mg/g: Report Only<br>mg/unit: Report Only*<br>% of Total Alkaloids: NMT 2% | < 0.010 w/w%                                | PASS             |
| Mitraphylline      | UHPLC-DAD   | 0.01 w/w% | w/w%: Report Only<br>mg/g: Report Only<br>mg/unit: Report Only*                                 | < 0.010 w/w%                                | Results Reported |
| Isorhynchophylline | UHPLC-DAD   | 0.01 w/w% | w/w%: Report Only<br>mg/g: Report Only<br>mg/unit: Report Only*                                 | < 0.010 w/w%                                | Results Reported |
| Corynoxine         | UHPLC-DAD   | 0.01 w/w% | w/w%: Report Only<br>mg/g: Report Only<br>mg/unit: Report Only*                                 | < 0.010 w/w%                                | Results Reported |
| Total Alkaloids    | UHPLC-DAD   | 0.01 w/w% | w/w%: Report Only<br>mg/g: Report Only<br>mg/unit: Report Only*                                 | 3.012 w/w%<br>30.118 mg/g<br>29.787 mg/unit | Results Reported |

| HEAVY METALS ASSAY |                              |        |                |              |             |
|--------------------|------------------------------|--------|----------------|--------------|-------------|
| Analysis           | Test Method                  | LOQ    | Specifications | Test Results | Pass / Fail |
| Lead               | USP <232> <233><br>by ICP-MS | 10 ppb | NMT 1,000 ppb  | 53.0 ppb     | PASS        |
| Mercury            | USP <232> <233><br>by ICP-MS | 5 ppb  | NMT 500 ppb    | < LOQ        | PASS        |
| Arsenic            | USP <232> <233><br>by ICP-MS | 10 ppb | NMT 1,500 ppb  | 62.5 ppb     | PASS        |
| Cadmium            | USP <232> <233><br>by ICP-MS | 10 ppb | NMT 300 ppb    | < LOQ        | PASS        |
| Nickel             | USP <232> <233><br>by ICP-MS | 50 ppb | NMT 20,000 ppb | 560.2 ppb    | PASS        |

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

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Page No. Page 2 of 2

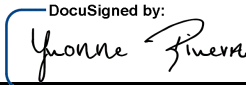
| MICROBIOLOGICAL ASSAY            |                |            |                   |              |             |
|----------------------------------|----------------|------------|-------------------|--------------|-------------|
| Analysis                         | Test Method    | LOQ        | Specifications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

| TESTING FACILITY INFORMATION                                                               | SAMPLE INFORMATION                                                                                                                                                         |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Santé Laboratories</b><br>8201 East Riverside Drive, STE 650<br>Austin, Texas 78744 USA | <b>Santé Sample ID:</b> 240603<br><b>Receipt Date:</b> 04/12/2024 / 12:30 PM CST /G.Hellinghausen<br><b>Receipt Condition:</b> Good <b>Analysis Start Date:</b> 04/12/2024 |

| 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. <b>Heavy metal specifications according to limits defined by Texas DSHS for consumable hemp. Nickel specification according to oral drug products per USP &lt;232&gt;. Microbiological limits according to specifications defined by AHPA for botanical extracts. * Unit Weight: 0.989 grams, based on the average of six (6) weights.</b><br>©2020 Santé Laboratories, LLC – All Rights Reserved |

| VERSION HISTORY |                |                    |
|-----------------|----------------|--------------------|
| Version         | Effective Date | Summary of Changes |
| 00              | 04/19/2024     | Initial Release    |

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

| REVIEWED AND APPROVED BY                                                                                                                                                                  |                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <div>DocuSigned by:<br/><br/>Yvonne Rivera<br/>Data Management Specialist<br/>Santé Laboratories</div> | <div>19 April 2024   12:29:51 PM PDT<br/>Date</div> |

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