



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 07/21/2023

Analysis ID No. 232137
 TDA License No. 2020002
 ISO/IEC No. 1055838
 Purchase Order: 20230530
 Page No. Page 1 of 2

| CUSTOMER INFORMATION | SAMPLE INFORMATION |
|---|--|
| Company Name: Ketoret Bionaturals Inc | Submitted Sample Name: RAW POWDER |
| Address: 1762 NE 205 th Ter, Miami, FL 33179 | Submitted Sample Lot: WC37B RED |
| Phone Number: 800-723-2397 | Submitted Sample Description: Green Powder in Resealable Bag; Stored at RT |
| Contact Name / Email: David Dweck / ddweck@ketoretbio.com | Submitted Sample Product Type / Matrix: Kratom Leaf / Powder |

| 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 | 1.004 w/w% 10.039 mg/g | Results Reported |
| Paynantheine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.188 w/w% 1.884 mg/g | Results Reported |
| Speciogynine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.168 w/w% 1.681 mg/g | Results Reported |
| Speciociliatine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.333 w/w% 3.330 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 | 1.694 w/w% 16.935 mg/g | Results Reported |

| 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 | 469.6 ppb | PASS |
| Mercury | USP <232> <233> by ICP-MS | 5 ppb | NMT 500 ppb | 22.0 ppb | PASS |
| Arsenic | USP <232> <233> by ICP-MS | 10 ppb | NMT 1,500 ppb | 544.6 ppb | PASS |
| Cadmium | USP <232> <233> by ICP-MS | 10 ppb | NMT 300 ppb | 18.0 ppb | PASS |
| Nickel | USP <232> <233> by ICP-MS | 50 ppb | NMT 20,000 ppb | 2,816.2 ppb | PASS |



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| TESTING FACILITY INFORMATION | SAMPLE INFORMATION |
|--|--|
| Santé Laboratories 8201 East Riverside Drive, STE 650 Austin, Texas 78744 USA | Santé Sample ID: 232137 Receipt Date: 07/13/2023 / 04:00 PM CST / K. Cobbett Receipt Condition: Good Analysis Start Date: 07/14/2023 |

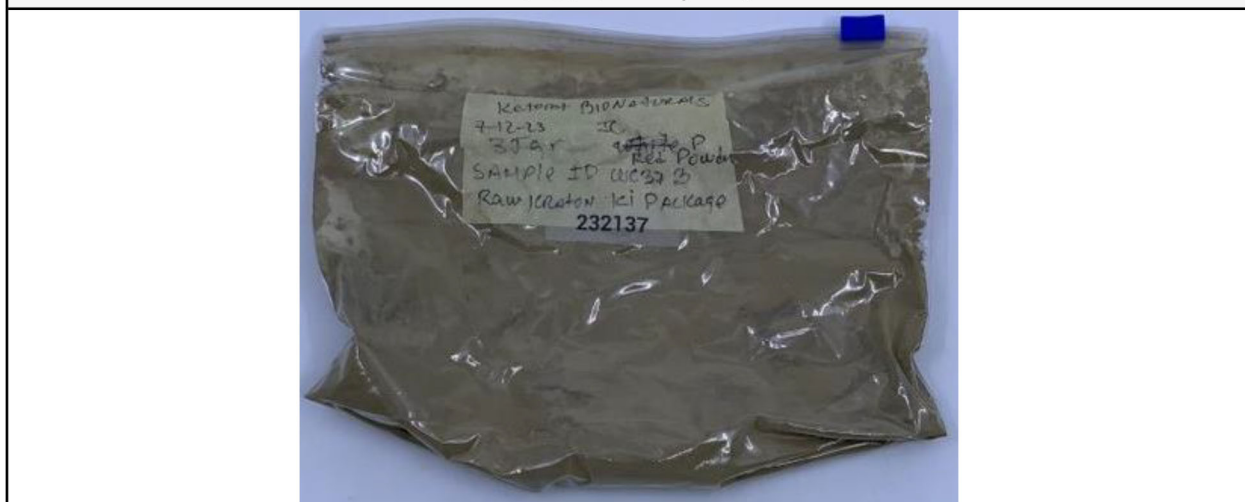
ADDITIONAL REPORT NOTES

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 defined by Texas DSHS for consumable hemp. Nickel specification according to oral drug products per USP <232>.**
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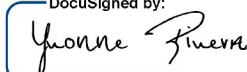
VERSION HISTORY

| Version | Effective Date | Summary of Changes |
|---------|----------------|--------------------|
| 00 | 07/21/2023 | Initial Release |

PRODUCT SAMPLE / IMAGE



REVIEWED AND APPROVED BY

| | |
|--|---------------------------------------|
| DocuSigned by:  Yvonne Rivera E49DDA845186484... Data Management Specialist Santé Laboratories | 21 July 2023 1:42:05 PM PDT Date |
|--|---------------------------------------|