

CERTIFICATE OF ANALYSIS

STATUS: RELEASED REVISION: 00 DATE: 11/06/2021

 Analysis ID No.
 214008

 TDA License No.
 2020002

 ISO/IEC No.
 1055838

 Purchase Order:
 20210935

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| CUSTOMER INFORMATION | SAMPLE INFORMATION |
|-----------------------|--|
| Company Name: | Submitted Sample Name: |
| | Kratom Spot, Red Maeng Da, Loose Leaf Powder, 2oz |
| Address: | Submitted Sample Lot: |
| | 00569 |
| Phone Number: | Submitted Sample Description: |
| | Crushed Leaf in White Mylar Pouch; Stored at Room Temp |
| Contact Name / Email: | Submitted Sample Product Type / Matrix: |
| | Kratom Powder / Crushed Leaf |

| 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 | 0.958 w/w% 9.581 mg/g | Results Reported |
| Paynantheine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.206 w/w% 2.062 mg/g | Results Reported |
| Speciogynine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.163 w/w% 1.628 mg/g | Results Reported |
| Speciociliatine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.268 w/w% 2.677 mg/g | Results Reported |
| 7-OH-Mitragynine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only % Total Alkaloids: NMT 2% | < 0.01 w/w% | PASS |
| Mitraphylline | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | < 0.01 w/w% | Results Reported |
| Isorhynchophylline | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.010 w/w% 0.104 mg/g | Results Reported |
| Corynoxine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.065 w/w% 0.651 mg/g | Results Reported |
| Total Alkaloids | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 1.670 w/w% 16.704 mg/g | Results Reported |

| HEAVY METALS | | | | | |
|--------------|------------------------------|--------|-----------------|--------------|-------------|
| Analysis | Test Method | LOQ | Specifications | Test Results | Pass / Fail |
| Lead | USP <232> <233> by ICP-MS | 10 ppb | NMT 1,000 ppb | 90.2 ppb | PASS |
| Mercury | USP <232> <233> by ICP-MS | 5 ppb | NMT 500 ppb | 17.1 ppb | PASS |
| Cadmium | USP <232> <233> by ICP-MS | 10 ppb | NMT 300 ppb | 24.7 ppb | PASS |
| Arsenic | USP <232> <233> by ICP-MS | 10 ppb | NMT 1,500 ppb | 53.8 ppb | PASS |
| Nickel | USP <232> <233> by ICP-MS | 10 ppb | NMT 200,000 ppb | 1,088.2 ppb | PASS |



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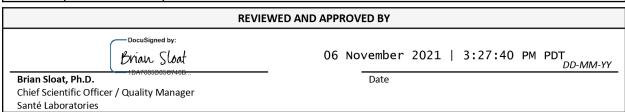
| TESTING FACILITY INFORMATION | SAMPLE INFORMATION | |
|------------------------------------|---|--|
| Santé Laboratories | Santé Sample ID: 214008 | |
| 8201 East Riverside Drive, STE 650 | Receipt Date: 10/21/2021 / 01:03 PM CST / M. Cardona | |
| Austin, Texas 78744 USA | Receipt Condition: Good Analysis Start Date: 10/22/2021 | |

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 | 11/06/2021 | Initial Release | |



PRODUCT SAMPLE / IMAGE

