



CERTIFICATE OF ANALYSIS

STATUS: **RELEASED** REVISION: 00

DATE: 05/10/2024

Analysis ID No. 240706
TDA License No. 2020002
ISO/IEC No. 1055838
Purchase Order: 20240171
Page No. Page 1 of 4

| CUSTOMER INFORMATION | SAMPLE INFORMATION |
|--|---|
| Company Name: Greenspace | Submitted Sample Name: Mitragyna Extract |
| Address: N/A | Submitted Sample Lot: GS/MIT/L/B/24007 |
| Phone Number: +91-9341263155 | Submitted Sample Description: Off-White Powder in Silver Mylar Bag; Stored at Rm Temp |
| Contact Name / Email: Shafiulla H N / Info@greenspaceherbs.com | Submitted Sample Product Type / Matrix: Kratom Extract / 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 | 83.505 w/w% 835.054 mg/g | Results Reported |
| Paynantheine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 1.711 w/w% 17.108 mg/g | Results Reported |
| Speciogynine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.795 w/w% 7.948 mg/g | Results Reported |
| Speciociliatine | UHPLC-DAD | 0.01 w/w% | w/w%: Report Only mg/g: Report Only | 0.106 w/w% 1.063 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 | 86.117 w/w% 861.174 mg/g | Results Reported |

| RESIDUAL SOLVENTS ASSAY | | | | | |
|-----------------------------|-----------------------|-----------|----------------|--------------|-------------|
| Analysis | Test Method | LOQ | Specifications | Test Results | Pass / Fail |
| 1,1-Dichloroethene | USP <467> by GC-MS | 0.020 ppm | NMT 8 ppm | < LOQ | PASS |
| 1,1,1-Trichloroethane | USP <467> by GC-MS | 3.75 ppm | NMT 1,500 ppm | < LOQ | PASS |
| 1,2-Dichloroethane | USP <467> by GC-MS | 0.013 ppm | NMT 5 ppm | < LOQ | PASS |
| Benzene | USP <467> by GC-MS | 0.005 ppm | NMT 2 ppm | < LOQ | PASS |
| Carbon tetrachloride | USP <467> by GC-MS | 0.010 ppm | NMT 4 ppm | < LOQ | PASS |
| 1,2-dichloroethene (E,Z) | USP <467> by GC-MS | 4.675 ppm | NMT 1870 ppm | < LOQ | 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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|-------------------------------|-----------------------|-----------|----------------|--------------|-------------|
| Analysis | Test Method | LOQ | Specifications | Test Results | Pass / Fail |
| 1,2-Dimethoxyethane | USP <467> by GC-MS | 0.25 ppm | NMT 100 ppm | < LOQ | PASS |
| 1,2,3,4-tetrahydronaphthalene | USP <467> by GC-MS | 0.25 ppm | NMT 100 ppm | < LOQ | PASS |
| 1,4-Dioxane | USP <467> by GC-MS | 0.95 ppm | NMT 380 ppm | < LOQ | PASS |
| 2-Hexanone | USP <467> by GC-MS | 0.125 ppm | NMT 50 ppm | < LOQ | PASS |
| 4-methyl-2-pentanone | USP <467> by GC-MS | 12.5 ppm | NMT 4,500 ppm | < LOQ | PASS |
| Acetonitrile | USP <467> by GC-MS | 1.025 ppm | NMT 410 ppm | < LOQ | PASS |
| Chlorobenzene | USP <467> by GC-MS | 0.9 ppm | NMT 360 ppm | < LOQ | PASS |
| Chloroform | USP <467> by GC-MS | 0.15 ppm | NMT 60 ppm | < LOQ | PASS |
| Cumene | USP <467> by GC-MS | 0.175 ppm | NMT 70 ppm | < LOQ | PASS |
| Cyclohexane | USP <467> by GC-MS | 9.7 ppm | NMT 3,880 ppm | < LOQ | PASS |
| Dichloromethane | USP <467> by GC-MS | 1.5 ppm | NMT 600 ppm | < LOQ | PASS |
| Ethylbenzene | USP <467> by GC-MS | 5.425 ppm | NMT 2,170 ppm | < LOQ | PASS |
| Hexane, n- | USP <467> by GC-MS | 0.725 ppm | NMT 290 ppm | < LOQ | PASS |
| Methanol | USP <467> by GC-MS | 7.5 ppm | NMT 3,000 ppm | < LOQ | PASS |
| Methylcyclohexane | USP <467> by GC-MS | 2.95 ppm | NMT 1,180 ppm | < LOQ | PASS |
| Nitromethane | USP <467> by GC-MS | 0.125 ppm | NMT 50 ppm | < LOQ | PASS |
| Pyridine | USP <467> by GC-MS | 0.50 ppm | NMT 200 ppm | < LOQ | PASS |
| Tetrahydrofuran | USP <467> by GC-MS | 1.8 ppm | NMT 720 ppm | < LOQ | PASS |
| Toluene | USP <467> by GC-MS | 2.225 ppm | NMT 890 ppm | < LOQ | PASS |
| Trichloroethene | USP <467> by GC-MS | 0.20 ppm | NMT 80 ppm | < LOQ | PASS |
| Xylene, m- | USP <467> by GC-MS | 108.5 ppm | NMT 2,170 ppm | < LOQ | PASS |
| Xylene, o- | USP <467> by GC-MS | 5.425 ppm | NMT 2,170 ppm | < LOQ | PASS |
| Xylene, p- | USP <467> by GC-MS | 5.425 ppm | NMT 2,170 ppm | < LOQ | PASS |
| 1-Butanol | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| 1-Pentanol | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |



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|-------------------------|-----------------------|----------|----------------|--------------|-------------|
| Analysis | Test Method | LOQ | Specifications | Test Results | Pass / Fail |
| 1-Propanol | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| 2-Butanol | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| 2-Butanone | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| 2-methyl-1-propanol | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| 2-Propanol | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| 3-methyl-1-butanol | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Acetone | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | 846.1 ppm | PASS |
| Anisole | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Butyl acetate | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Ethanol | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Ethyl acetate | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Ethyl ether | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Ethyl formate | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Heptane, n- | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Isobutyl acetate | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Isopropyl acetate | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Methyl acetate | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| N,N-Dimethylsulfoxide | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Pentane, n- | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Propyl acetate | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| t-Butyl Methyl Ether | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Butane, iso- | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Butane, n- | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | PASS |
| Propane | USP <467> by GC-MS | 12.5 ppm | NMT 5,000 ppm | < LOQ | 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: 240706 Receipt Date: 05/09/2024 / 01:21 PM CST / M. Muhammad Receipt Condition: Good Analysis Start Date: 05/09/2024 |

| 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. ©2020 Santé Laboratories, LLC – All Rights Reserved |

| VERSION HISTORY | | |
|-----------------|----------------|--------------------|
| Version | Effective Date | Summary of Changes |
| 00 | 05/10/2024 | Initial Release |

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

| REVIEWED AND APPROVED BY | |
|--|---|
| DocuSigned by: <i>Christopher Rodriguez</i> _____ Christopher Rodriguez Senior Director of Quality Santé Laboratories, a Disruption Labs Company | 10 May 2024 3:13:55 PM PDT _____ Date |