

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 39575
 Order Name: Koi Naturals
 Orange 1000 mg
 Batch#: 9305NOR1K
 Received: 11/06/2019
 Completed: 11/11/2019



Koi CBD LLC
 14631 Best Ave
 Norwalk California, 90650
 (877) 774-4779
 morgan@koicbd.com



Sample



N/D
 D9-THC

3.638%
 Total CBD

1,051.4 mg
 Cannabinoids per
 unit

1,031.5 mg
 CBD per
 unit

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA

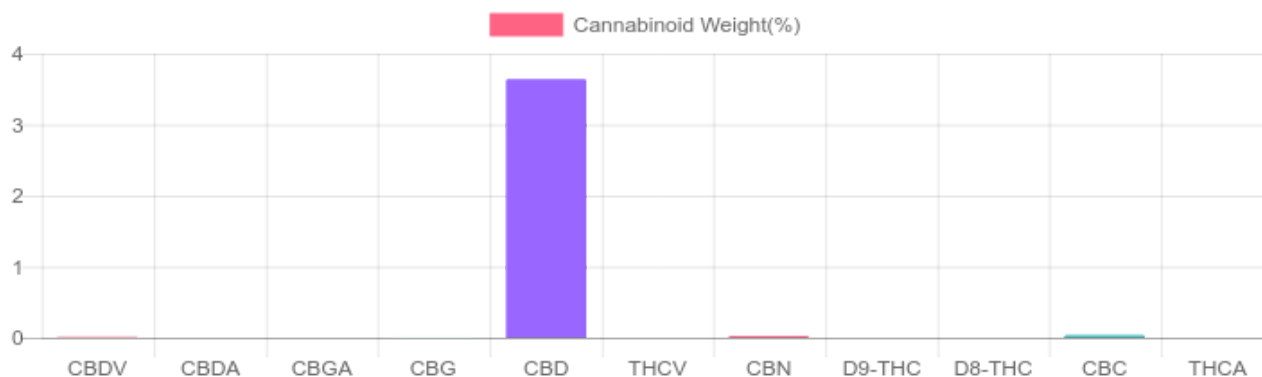
GSL SOP 400

PREPARED: 11/07/2019 12:01:03

UPLOADED: 11/08/2019 08:34:30

| Cannabinoids | LOQ | weight(%) | mg/g | mg/unit |
|--------------------|--------|-----------|--------|---------|
| D9-THC | 10 PPM | N/D | N/D | N/D |
| THCA | 10 PPM | N/D | N/D | N/D |
| CBD | 10 PPM | 3.638% | 36.384 | 1,031.5 |
| CBDA | 20 PPM | N/D | N/D | N/D |
| CBDV | 20 PPM | 0.007% | 0.069 | 2.0 |
| CBC | 10 PPM | 0.038% | 0.380 | 10.8 |
| CBN | 10 PPM | 0.023% | 0.231 | 6.5 |
| CBG | 10 PPM | 0.002% | 0.021 | 0.6 |
| CBGA | 20 PPM | N/D | N/D | N/D |
| D8-THC | 10 PPM | N/D | N/D | N/D |
| THCV | 10 PPM | N/D | N/D | N/D |
| TOTAL D9-THC | | N/D | N/D | N/D |
| TOTAL CBD* | | 3.638% | 36.384 | 1,031.5 |
| TOTAL CANNABINOIDS | | 3.708% | 37.085 | 1,051.4 |

1 unit = 30 ml per unit x density (0.945) x
 Cannabinoid concentration



Reporting Limit 10 ppm

*Total CBD = CBD + CBDA x 0.877

N/D - Not Detected, B/LOQ - Below Limit of Quantification

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

Green Scientific Labs
 info@greenscientificlabs.com
 1-833 TEST CBD



Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 39575
Order Name: Koi Naturals
Orange 1000 mg
Batch#: 9305NOR1K
Received: 11/06/2019
Completed: 11/11/2019



Koi CBD LLC
14631 Best Ave
Norwalk California, 90650
(877) 774-4779
morgan@koicbd.com



TERPENES: TOTAL (0.551%)

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

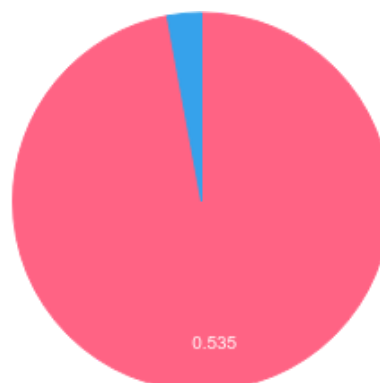
GSL SOP 404

Prepared: 11/08/2019 18:12:04

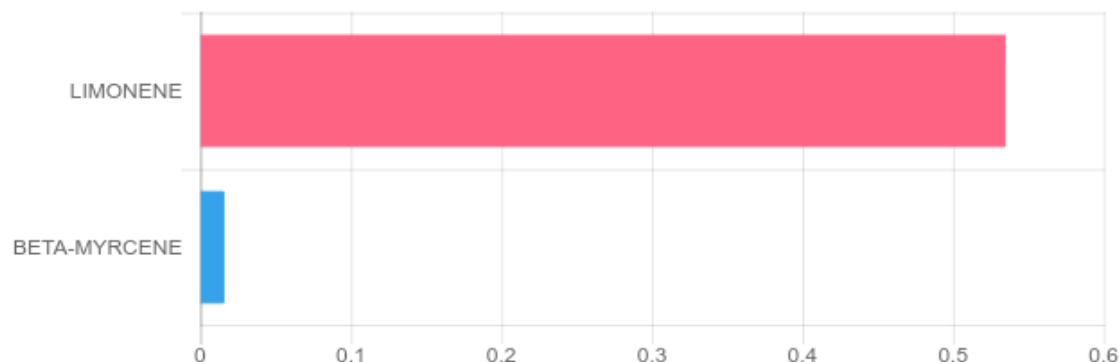
Uploaded: 11/10/2019 12:47:02

| Terpene | Results (%) | LOQ (%) | LOD (%) |
|--------------|-------------|---------|---------|
| BETA-MYRCENE | 0.016% | 0.0067% | 0.0063% |
| LIMONENE | 0.535% | 0.0067% | 0.0063% |

Terpenes Breakdown



Top Terpenes Results:



Tested for but not present:

ALPHA-PINENE, CAMPHENE, BETA-PINENE, 3-CARENE, ALPHA-TERPINENE, TRANS-BETA-OCIMENE, P-CYMENTHENE, CIS-BETA-OCIMENE, EUCALYPTOL, GAMMA-TERPINENE, TERPINOLENE, LINALOOL, ISOPULEGOL, GERANIOL, CARYOPHYLLENE, HUMULENE, CIS-NEROLIDOL, TRANS-NEROLIDOL, GUAIOL, CARYOPHYLLENE OXIDE, ALPHA-BISABOLOL

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

Green Scientific Labs
info@greenscientificlabs.com
1-833 TEST CBD



Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 39575
 Order Name: Koi Naturals
 Orange 1000 mg
 Batch#: 9305NOR1K
 Received: 11/06/2019
 Completed: 11/11/2019



Koi CBD LLC
 14631 Best Ave
 Norwalk California, 90650
 (877) 774-4779
 morgan@koicbd.com



PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 11/07/2019 13:01:03

UPLOADED: 11/08/2019 13:52:57

GCMS-MS - Shimadzu GCMS-TQ8040

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|--------------|--------------------|---------------|-----------|-----------|
| CAPTAN | 0.700 | N/D | 0.003 | 0.001 |
| CHLORDANE | 0.100 | N/D | 0.003 | 0.001 |
| CHLORFENAPYR | 0.100 | N/D | 0.003 | 0.001 |
| COUMAPHOS | 0.100 | N/D | 0.003 | 0.001 |
| CYFLUTHRIN | 2.000 | N/D | 0.003 | 0.001 |

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|-------------------------|--------------------|---------------|-----------|-----------|
| CYPERMETHRIN | 1.000 | N/D | 0.003 | 0.001 |
| FIPRONIL | 0.100 | N/D | 0.003 | 0.001 |
| FLUDIOXONIL | 0.100 | N/D | 0.003 | 0.001 |
| PARATHION-METHYL | 0.100 | N/D | 0.003 | 0.001 |
| PENTACHLORONITROBENZENE | 0.100 | N/D | 0.003 | 0.001 |

LCMS-MS - Shimadzu LCMS-8060

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|---------------------|--------------------|---------------|-----------|-----------|
| ABAMECTIN B1A | 0.100 | N/D | 0.005 | 0.001 |
| ACEPHATE | 0.100 | N/D | 0.001 | 0.001 |
| ACEQUINOCYL | 0.100 | N/D | 0.001 | 0.001 |
| ACETAMIPRID | 0.100 | N/D | 0.005 | 0.001 |
| ALDICARB | 0.100 | N/D | 0.005 | 0.001 |
| AZOXYSTROBIN | 0.100 | 0.002 | 0.001 | 0.001 |
| BIFENAZATE | 0.100 | N/D | 0.005 | 0.001 |
| BIFENTHRIN | 3.000 | N/D | 0.005 | 0.001 |
| BOSCALID | 0.100 | N/D | 0.005 | 0.001 |
| CARBARYL | 0.500 | 0.006 | 0.003 | 0.001 |
| CARBOFURAN | 0.100 | N/D | 0.001 | 0.001 |
| CHLORANTRANILIPROLE | 10.000 | N/D | 0.005 | 0.005 |
| CHLORPYRIFOS | 0.100 | 0.016 | 0.001 | 0.001 |
| CLOFENTEZINE | 0.100 | N/D | 0.001 | 0.001 |
| DAMINOZIDE | 0.100 | N/D | 0.005 | 0.001 |
| DIAZANON | 0.100 | N/D | 0.001 | 0.001 |
| DICHLORVOS | 0.100 | N/D | 0.005 | 0.001 |
| DIMETHOATE | 0.100 | N/D | 0.001 | 0.001 |
| DIMETHOMORPH | 2.000 | N/D | 0.005 | 0.001 |
| ETHOPROPHOS | 0.100 | N/D | 0.001 | 0.001 |
| ETOFENPROX | 0.100 | N/D | 0.001 | 0.001 |
| ETOXAZOLE | 0.100 | N/D | 0.010 | 0.005 |
| FENHEXAMID | 0.100 | N/D | 0.005 | 0.001 |
| FENOXYCARB | 0.100 | N/D | 0.005 | 0.001 |
| FENPYROXIMATE | 0.100 | N/D | 0.001 | 0.001 |
| FLONICAMID | 0.100 | N/D | 0.025 | 0.010 |
| HEXYTHIAZOX | 0.100 | N/D | 0.005 | 0.001 |
| IMAZALIL | 0.100 | 0.094 | 0.005 | 0.001 |

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|-----------------|--------------------|---------------|-----------|-----------|
| IMIDACLOPRID | 5.000 | N/D | 0.005 | 0.001 |
| KRESOXIM-METHYL | 0.100 | N/D | 0.010 | 0.005 |
| MALATHION | 0.500 | N/D | 0.005 | 0.001 |
| METALAXYL | 2.000 | N/D | 0.001 | 0.001 |
| METHIOCARB | 0.100 | N/D | 0.005 | 0.001 |
| METHOMYL | 1.000 | N/D | 0.001 | 0.001 |
| MEVINPHOS | 0.100 | N/D | 0.001 | 0.001 |
| MYCLOBUTANIL | 0.100 | N/D | 0.005 | 0.001 |
| NALED | 0.100 | N/D | 0.005 | 0.001 |
| OXAMYL | 0.500 | N/D | 0.001 | 0.001 |
| PACLOBUTRAZOL | 0.100 | N/D | 0.005 | 0.001 |
| PERMETHRINS | 0.500 | N/D | 0.005 | 0.001 |
| PHOSMET | 0.100 | N/D | 0.005 | 0.001 |
| PIPERONYL | 3.000 | N/D | 0.001 | 0.001 |
| BUTOXIDE | | | | |
| PRALLETHRIN | 0.100 | N/D | 0.005 | 0.005 |
| PROPICONAZOLE | 0.100 | N/D | 0.010 | 0.005 |
| PROPOXUR | 0.100 | N/D | 0.001 | 0.001 |
| PYRETHRINS | | | | |
| (PYRETHRIN I) | 0.500 | N/D | 0.005 | 0.005 |
| PYRIDABEN | 0.100 | N/D | 0.005 | 0.001 |
| SPINETORAM | 0.100 | N/D | 0.001 | 0.001 |
| SPINOSAD | 0.100 | N/D | 0.001 | 0.001 |
| SPIROMESIFEN | 0.100 | N/D | 0.005 | 0.001 |
| SPIROTETRAMAT | 0.100 | N/D | 0.001 | 0.001 |
| SPIROXAMINE | 0.100 | N/D | 0.001 | 0.001 |
| TEBUCONAZOLE | 0.100 | N/D | 0.005 | 0.001 |
| THIACLOPRID | 0.100 | N/D | 0.001 | 0.001 |
| THIAMETHOXAM | 5.000 | N/D | 0.001 | 0.001 |
| TRIFLOXYSTROBIN | 0.100 | N/D | 0.001 | 0.001 |

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

Green Scientific Labs
 info@greenscientificlabs.com
 1-833 TEST CBD



Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 39575
Order Name: Koi Naturals
Orange 1000 mg
Batch#: 9305NOR1K
Received: 11/06/2019
Completed: 11/11/2019



Koi CBD LLC
14631 Best Ave
Norwalk California, 90650
(877) 774-4779
morgan@koicbd.com



RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Prepared: 11/07/2019 12:54:19

Uploaded: 11/08/2019 08:05:02

| Residual Solvent | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|-------------------|--------------------|---------------|-----------|-----------|
| ACETONE | 5,000 | N/D | 140 | 20 |
| ACETONITRILE | 410 | N/D | 25 | 1 |
| BENZENE | 1 | N/D | 1 | 0.5 |
| BUTANE | 5,000 | N/D | 50 | 10 |
| CHLOROFORM | 1 | N/D | 1 | 0.5 |
| DICHLOROETHANE | 1 | N/D | 1 | 0.5 |
| DICHLOROMETHANE | 1 | N/D | 1 | 0.5 |
| ETHANOL | 5,000 | N/D | 140 | 20 |
| ETHYL ACETATE | 5,000 | N/D | 140 | 20 |
| ETHYL ETHER | 5,000 | N/D | 140 | 20 |
| ISOPROPYL ALCOHOL | 5,000 | N/D | 140 | 20 |
| METHANOL | 3,000 | N/D | 100 | 20 |
| N-HEPTANE | 5,000 | N/D | 140 | 20 |
| N-HEXANE | 290 | N/D | 18 | 10 |
| PENTANE | 5,000 | N/D | 140 | 20 |
| PROPANE | 5,000 | N/D | 20 | 1 |
| TOLUENE | 890 | N/D | 53 | 1 |
| TRICHLOROETHENE | 1 | N/D | 0 | 0 |
| XYLENES | 2,170 | N/D | 130 | 20 |

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

Green Scientific Labs
info@greenscientificlabs.com
1-833 TEST CBD



Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 39575
 Order Name: Koi Naturals
 Orange 1000 mg
 Batch#: 9305NOR1K
 Received: 11/06/2019
 Completed: 11/11/2019



Koi CBD LLC
 14631 Best Ave
 Norwalk California, 90650
 (877) 774-4779
 morgan@koicbd.com



Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 11/09/2019 15:39:47

PCR - Agilent AriaMX

| Test | Test Method Used | Device Used | LOD | Allowable Criteria | Actual Result | Pass/Fail |
|------------------------|------------------|-------------|-------------------|--------------------|-----------------|-----------|
| STEC E.COLI* | USP 61/62† | ARIAMX PCR | 2 COPIES OF DNA | PRESENCE / ABSENT | BELOW LOD | PASS |
| SALMONELLA* | USP 61/62† | ARIAMX PCR | 5 COPIES OF DNA | PRESENCE / ABSENT | BELOW LOD | PASS |
| ASPERGILLUS | USP 61/62† | ARIAMX PCR | ASP_LOD*** | PRESENCE / ABSENT | BELOW LOD | PASS |
| YEAST AND MOLD | USP 61/62† | ARIAMX PCR | 363.05518 CFU/G** | 1,000 | BELOW THRESHOLD | PASS |
| TOTAL AEROBIC BACTERIA | USP 61/62† | ARIAMX PCR | 0.25316 CFU/G** | 10,000 | BELOW THRESHOLD | PASS |
| COLIFORM | USP 61/62† | ARIAMX PCR | 3.41539 CFU/G** | 100 | BELOW THRESHOLD | PASS |
| ENTEROBACTERIACEAE | USP 61/62† | ARIAMX PCR | 0.32951 CFU/G** | 100 | BELOW THRESHOLD | PASS |

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)

* STEC and Salmonella run as Multiplex

** CFU/g Calculation based on Select Category Type Gummy MIP/Extract Flower matrix

*** Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

Green Scientific Labs
 info@greenscientificlabs.com
 1-833 TEST CBD



Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 39575
Order Name: Koi Naturals
Orange 1000 mg
Batch#: 9305NOR1K
Received: 11/06/2019
Completed: 11/11/2019



Koi CBD LLC
14631 Best Ave
Norwalk California, 90650
(877) 774-4779
morgan@koicbd.com



Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-8060
GSL SOP 401

Uploaded: 11/08/2019 13:52:57

| Analyte | Action Lvl (ppb) | Results (ppb) |
|--------------|------------------|---------------|
| AFLATOXIN B1 | 20 | N/D |
| AFLATOXIN B2 | 20 | N/D |
| AFLATOXIN G1 | 20 | N/D |
| AFLATOXIN G2 | 20 | N/D |
| OCHRATOXIN A | 20 | N/D |

LOQ is 4ppb, LOD is 1ppb

Water Activity:

HD-3A Water Activity Meter - GSL SOP 407

Uploaded: 11/07/2019 15:43:12

Water

0.54

Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 11/11/2019 21:59:02

| Metal | Action Level (ppb) | Result (ppb) |
|--------------|--------------------|--------------|
| ARSENIC (AS) | 200 | B/LOQ |
| CADMIUM (CD) | 200 | B/LOQ |
| MERCURY (HG) | 100 | B/LOQ |
| LEAD (PB) | 500 | B/LOQ |

Lower Limit of Quantitation (LOQ) is 75 ppb

Filth and Foreign Materials Analysis:

Microscope - Amscope Simul-Focal Trinocular Stereo Zoom Microscope - GSL SOP 409

Uploaded: 11/07/2019 15:32:59

Pass: No Foreign Materials Detected

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

Green Scientific Labs
info@greenscientificlabs.com
1-833 TEST CBD



Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.