

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 91950
 Order Name: Emu Cream 500 mg
 Batch#: CCA-C0522
 Received: 03/04/2022
 Completed: 03/11/2022



Sample



N/D
Total D9-THC

0.454%
Total CBD

513.2 mg
Cannabinoids per unit

513.2 mg
CBD per unit

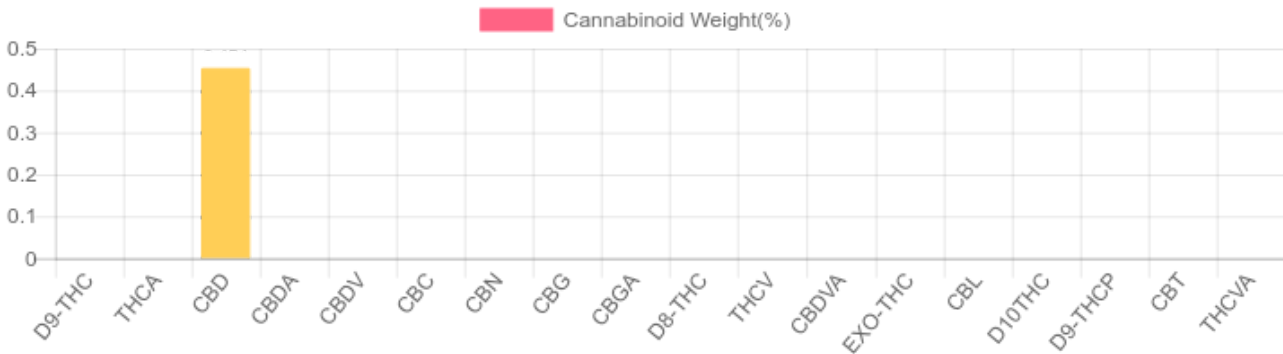
1 unit = 113 ml per unit x density (1) x Cannabinoid concentration

Cannabinoids Test

HPLC-DAD
 GSL SOP 400

UPLOADED: 03/07/2022 11:01:41

| Cannabinoids | LOQ(mg/g) | LOD(mg/g) | weight(%) | mg/g | mg/unit |
|--------------------|-----------|-----------|---------------|--------------|----------------|
| D9-THC | 0.1954 | 0.0645 | N/D | N/D | N/D |
| THCA | 0.1954 | 0.0645 | N/D | N/D | N/D |
| CBD | 0.1954 | 0.0645 | 0.454% | 4.542 | 513.246 |
| CBDA | 0.1954 | 0.0645 | N/D | N/D | N/D |
| CBDV | 0.1954 | 0.0645 | N/D | N/D | N/D |
| CBC | 0.1954 | 0.0645 | N/D | N/D | N/D |
| CBN | 0.1954 | 0.0645 | N/D | N/D | N/D |
| CBG | 0.1954 | 0.0645 | N/D | N/D | N/D |
| CBGA | 0.1954 | 0.0645 | N/D | N/D | N/D |
| D8-THC | 0.1954 | 0.0645 | N/D | N/D | N/D |
| THCV | 0.1954 | 0.0645 | N/D | N/D | N/D |
| CBDVA | 0.1954 | 0.0645 | N/D | N/D | N/D |
| EXO-THC | 0.1954 | 0.0645 | N/D | N/D | N/D |
| CBL | 0.1954 | 0.0645 | N/D | N/D | N/D |
| D10THC | 0.1954 | 0.0645 | N/D | N/D | N/D |
| D9-THCP | 0.1954 | 0.0645 | N/D | N/D | N/D |
| CBT | 0.1954 | 0.0645 | N/D | N/D | N/D |
| THCVA | 0.1954 | 0.0645 | N/D | N/D | N/D |
| TOTAL D9-THC | | | N/D | N/D | N/D |
| TOTAL CBD* | | | 0.454% | 4.542 | 513.2 |
| TOTAL CANNABINOIDS | | | 0.454% | 4.542 | 513.2 |



*Total CBD = CBD + CBDA x 0.877
 N/D - Not Detected, B/LOQ - Below Limit of Quantification

Ben Witten, MS, MT., Lab Director

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



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PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 03/04/2022 20:45:03

UPLOADED: 03/07/2022 14:27:25

GC-MS/MS

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|--------------|--------------------|---------------|-----------|-----------|
| CAPTAN | 3.000 | N/D | 0.100 | 0.010 |
| CHLORDANE | 0.100 | N/D | 0.100 | 0.010 |
| CHLORFENAPYR | 0.100 | N/D | 0.100 | 0.010 |
| COUMAPHOS | 0.100 | N/D | 0.100 | 0.010 |

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|-------------------------|--------------------|---------------|-----------|-----------|
| CYFLUTHRIN | 1.000 | N/D | 0.100 | 0.010 |
| CYPERMETHRIN | 1.000 | N/D | 0.100 | 0.010 |
| PENTACHLORONITROBENZENE | 0.200 | N/D | 0.100 | 0.010 |

LC-MS/MS

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|----------------------|--------------------|---------------|-----------|-----------|
| ABAMECTIN B1A | 0.300 | N/D | 0.005 | 0.005 |
| ACEPHATE | 3.000 | B/LOQ | 0.005 | 0.001 |
| ACEQUINOCYL | 2.000 | N/D | 0.005 | 0.005 |
| ACETAMIPRID | 3.000 | N/D | 0.005 | 0.005 |
| ALDICARB | 0.100 | N/D | 0.005 | 0.005 |
| AZOXYSTROBIN | 3.000 | N/D | 0.005 | 0.001 |
| BIFENAZATE | 3.000 | N/D | 0.005 | 0.001 |
| BIFENTHRIN | 0.500 | N/D | 0.005 | 0.005 |
| BOSCALID | 3.000 | N/D | 0.005 | 0.005 |
| CARBARYL | 0.500 | N/D | 0.005 | 0.001 |
| CARBOFURAN | 0.100 | N/D | 0.005 | 0.001 |
| CHLORANTRANILIPROLE | 3.000 | N/D | 0.005 | 0.005 |
| CHLORMEQUAT CHLORIDE | 3.000 | N/D | 0.250 | 0.100 |
| CHLORPYRIFOS | 0.100 | N/D | 0.005 | 0.005 |
| CLOFENTEZINE | 0.500 | N/D | 0.005 | 0.005 |
| DAMINOZIDE | 0.100 | N/D | 0.005 | 0.001 |
| DIAZINON | 0.200 | N/D | 0.005 | 0.005 |
| DICHLORVOS | 0.100 | N/D | 0.005 | 0.001 |
| DIMETHOATE | 0.100 | N/D | 0.005 | 0.001 |
| DIMETHOMORPH | 3.000 | N/D | 0.005 | 0.001 |
| ETHOPROPHOS | 0.100 | N/D | 0.005 | 0.001 |
| ETOFENPROX | 0.100 | N/D | 0.005 | 0.005 |
| ETOXAZOLE | 1.500 | N/D | 0.050 | 0.005 |
| FENHEXAMID | 3.000 | N/D | 0.005 | 0.001 |
| FENOXYCARB | 0.100 | N/D | 0.005 | 0.005 |
| FENPYROXIMATE | 2.000 | N/D | 0.005 | 0.005 |
| FIPRONIL | 0.100 | N/D | 0.005 | 0.005 |
| FLONICAMID | 2.000 | N/D | 0.025 | 0.005 |
| FLUDIOXONIL | 3.000 | N/D | 0.005 | 0.005 |
| HEXYTHIAZOX | 2.000 | N/D | 0.005 | 0.005 |

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|--------------------|--------------------|---------------|-----------|-----------|
| IMAZALIL | 0.100 | N/D | 0.005 | 0.001 |
| IMIDACLOPRID | 3.000 | N/D | 0.005 | 0.001 |
| KRESOXIM-METHYL | 1.000 | N/D | 0.005 | 0.005 |
| MALATHION | 2.000 | N/D | 0.005 | 0.001 |
| METALAXYL | 3.000 | N/D | 0.005 | 0.001 |
| METHIOCARB | 0.100 | N/D | 0.005 | 0.001 |
| METHOMYL | 0.100 | N/D | 0.005 | 0.001 |
| MEVINPHOS | 0.100 | N/D | 0.005 | 0.001 |
| MYCLOBUTANIL | 3.000 | N/D | 0.005 | 0.005 |
| NALED | 0.500 | N/D | 0.005 | 0.001 |
| OXAMYL | 0.500 | N/D | 0.005 | 0.001 |
| PACLOBUTRAZOL | 0.100 | N/D | 0.005 | 0.005 |
| PERMETHRINS | 1.000 | N/D | 0.005 | 0.005 |
| PHOSMET | 0.200 | N/D | 0.005 | 0.001 |
| PIPERONYL BUTOXIDE | 3.000 | N/D | 0.005 | 0.005 |
| PRALLETHRIN | 0.400 | N/D | 0.005 | 0.005 |
| PROPICONAZOLE | 1.000 | N/D | 0.010 | 0.005 |
| PROPOXUR | 0.100 | N/D | 0.005 | 0.001 |
| PYRETHRINS | 1.000 | N/D | 0.005 | 0.001 |
| PYRIDABEN | 3.000 | N/D | 0.005 | 0.005 |
| SPINETORAM | 3.000 | N/D | 0.005 | 0.005 |
| SPINOSAD | 3.000 | N/D | 0.005 | 0.005 |
| SPIROMESIFEN | 3.000 | N/D | 0.005 | 0.001 |
| SPIROTETRAMAT | 3.000 | N/D | 0.005 | 0.005 |
| SPIROXAMINE | 0.100 | N/D | 0.005 | 0.001 |
| TEBUCONAZOLE | 1.000 | N/D | 0.005 | 0.001 |
| THIACLOPRID | 0.100 | N/D | 0.005 | 0.001 |
| THIAMETHOXAM | 1.000 | N/D | 0.005 | 0.001 |
| TRIFLOXYSTROBIN | 3.000 | N/D | 0.005 | 0.005 |

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

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Batch#: CCA-C0522
Received: 03/04/2022
Completed: 03/11/2022



RESIDUAL SOLVENTS:

HS-GC-MS

GSL SOP 405

Uploaded: 03/11/2022 11:55:41

| Residual Solvent | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|--------------------|--------------------|---------------|-----------|-----------|
| 1,1-DICHLOROETHENE | 8 | N/D | 0.63 | 0.6 |
| 1,2-DICHLOROETHANE | 2 | N/D | 0.12 | 0.012 |
| 1,2-DICHLOROETHENE | 5 | N/D | 0.73 | 0.09 |
| ACETONE | 5,000 | N/D | 140 | 9 |
| ACETONITRILE | 410 | N/D | 25 | 0.72 |
| BENZENE | 1 | N/D | 1 | 0.6 |
| BUTANE | 5,000 | N/D | 50 | 48 |
| CHLOROFORM | 1 | N/D | 1 | 0.5 |
| ETHANOL | 5,000 | N/D | 140 | 12 |
| ETHYL ACETATE | 5,000 | N/D | 140 | 2.4 |
| ETHYL ETHER | 5,000 | N/D | 140 | 6 |
| ETHYLENE OXIDE | 1 | N/D | 2 | 0.6 |
| ISOPROPYL ALCOHOL | 5,000 | B/LOQ | 140 | 3 |
| METHANOL | 3,000 | B/LOQ | 100 | 6 |
| METHYLENE CHLORIDE | 125 | N/D | 1.5 | 1.5 |
| N-HEPTANE | 5,000 | N/D | 140 | 6 |
| N-HEXANE | 290 | N/D | 18 | 0.06 |
| PENTANE | 5,000 | N/D | 140 | 9 |
| PROPANE | 5,000 | N/D | 30 | 30 |
| TOLUENE | 890 | N/D | 53 | 0.9 |
| TRICHLOROETHENE | 1 | N/D | 1 | 0.3 |
| XYLENES | 150 | N/D | 130 | 1.8 |

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Completed: 03/11/2022



Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 03/06/2022 14:18:35

MICROBIAL ANALYSIS:

| Test | SOP | Test Method | Device Used | Allowable Criteria | Actual Result |
|------------------------|--------|---------------|-------------|--------------------|---------------|
| LISTERIA MONOCYTOGENES | 406.01 | QPCR | ARIAMX PCR | NOT APPLICABLE | NOT DETECTED |
| PATHOGENIC E. COLI | 406.01 | QPCR | ARIAMX PCR | NOT APPLICABLE | NOT DETECTED |
| STEC E. COLI* | 406.01 | REAL-TIME PCR | ARIAMX PCR | < 1 CFU/G | NOT DETECTED |
| SALMONELLA* | 406.01 | REAL-TIME PCR | ARIAMX PCR | < 1 CFU/G | NOT DETECTED |

† 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 MIP/Extract matrix

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Received: 03/04/2022
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Mycotoxin Analysis:

LC-MS/MS
GSL SOP 401

Uploaded: 03/07/2022 14:27:25

| Analyte | LOQ (ppb) | LOD (ppb) | Action Lvl (ppb) | Results (ppb) |
|--------------|-----------|-----------|------------------|---------------|
| AFLATOXIN B1 | 1 | 1 | 20 | N/D |
| AFLATOXIN B2 | 1 | 1 | 20 | N/D |
| AFLATOXIN G1 | 1 | 1 | 20 | N/D |
| AFLATOXIN G2 | 1 | 1 | 20 | N/D |
| OCHRATOXIN A | 1 | 1 | 20 | N/D |

Heavy Metals Analysis:

ICP-MS
GSL SOP 403

Uploaded: 03/07/2022 19:03:37

| Metal | LOQ (ppb) | LOD (ppb) | Action Level (ppb) | Result (ppb) |
|--------------|-----------|-----------|--------------------|--------------|
| ARSENIC (AS) | 75 | 20 | 200 | N/D |
| CADMIUM (CD) | 75 | 20 | 200 | N/D |
| MERCURY (HG) | 75 | 20 | 100 | N/D |
| LEAD (PB) | 75 | 20 | 500 | N/D |

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