

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 38890
 Order Name: Emu Cream 750 mg
 Batch#: CCA-K2119
 Received: 10/18/2019
 Completed: 10/24/2019



Sample



N/D
D9-THC

0.690%
Total CBD

782.4 mg
Cannabinoids per unit

782.4 mg
CBD per unit

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA

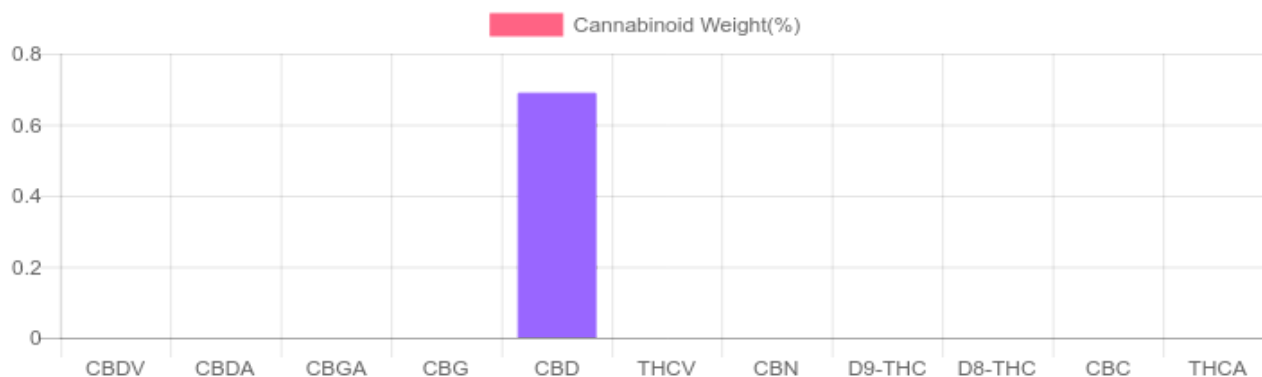
GSL SOP 400

PREPARED: 10/18/2019 15:36:47

UPLOADED: 10/21/2019 07:08:58

| 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 | 0.690% | 6.900 | 782.4 |
| CBDA | 20 PPM | N/D | N/D | N/D |
| CBDV | 20 PPM | N/D | N/D | N/D |
| CBC | 10 PPM | N/D | N/D | N/D |
| CBN | 10 PPM | N/D | N/D | N/D |
| CBG | 10 PPM | N/D | N/D | N/D |
| 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* | | 0.690% | 6.900 | 782.4 |
| TOTAL CANNABINOIDS | | 0.690% | 6.900 | 782.4 |

1 unit = 113.398 grams per unit x
 Cannabinoid concentration



Reporting Limit 10 ppm

*Total CBD = CBD + CBDA x 0.877

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



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 Davie, FL 33314
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Accreditation #103104



Dr. Andrew Hall, Ph.D., CSO & Lab Director

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PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 10/18/2019 15:40:24

UPLOADED: 10/21/2019 17:08:51

LCMS-MS - Shimadzu LCMS-8060

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) | Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|---------------------|--------------------|---------------|-----------|-----------|-----------------|--------------------|---------------|-----------|-----------|
| ABAMECTIN B1A | 0.100 | N/D | 0.005 | 0.001 | IMAZALIL | 0.100 | N/D | 0.005 | 0.001 |
| ACEPHATE | 0.100 | N/D | 0.001 | 0.001 | IMIDACLOPRID | 5.000 | N/D | 0.005 | 0.001 |
| ACEQUINOCYL | 0.100 | N/D | 0.001 | 0.001 | KRESOXIM-METHYL | 0.100 | N/D | 0.010 | 0.005 |
| ACETAMIPRID | 0.100 | N/D | 0.005 | 0.001 | MALATHION | 0.500 | N/D | 0.005 | 0.001 |
| ALDICARB | 0.100 | N/D | 0.005 | 0.001 | METALAXYL | 2.000 | N/D | 0.001 | 0.001 |
| AZOXYSTROBIN | 0.100 | N/D | 0.001 | 0.001 | METHIOCARB | 0.100 | N/D | 0.005 | 0.001 |
| BIFENAZATE | 0.100 | N/D | 0.005 | 0.001 | METHOMYL | 1.000 | N/D | 0.001 | 0.001 |
| BIFENTHRIN | 3.000 | N/D | 0.005 | 0.001 | MEVINPHOS | 0.100 | N/D | 0.001 | 0.001 |
| BOSCALID | 0.100 | N/D | 0.005 | 0.001 | MYCLOBUTANIL | 0.100 | N/D | 0.005 | 0.001 |
| CARBARYL | 0.500 | N/D | 0.003 | 0.001 | NALED | 0.100 | N/D | 0.005 | 0.001 |
| CARBOFURAN | 0.100 | N/D | 0.001 | 0.001 | OXAMYL | 0.500 | N/D | 0.001 | 0.001 |
| CHLORANTRANILIPROLE | 10.000 | N/D | 0.005 | 0.005 | PACLOBUTRAZOL | 0.100 | N/D | 0.005 | 0.001 |
| CHLORPYRIFOS | 0.100 | N/D | 0.001 | 0.001 | PERMETHRINS | 0.500 | N/D | 0.005 | 0.001 |
| CLOFENTEZINE | 0.100 | N/D | 0.001 | 0.001 | PHOSMET | 0.100 | N/D | 0.005 | 0.001 |
| DAMINOZIDE | 0.100 | N/D | 0.005 | 0.001 | PIPERONYL | 3.000 | N/D | 0.001 | 0.001 |
| DIAZANON | 0.100 | N/D | 0.001 | 0.001 | BUTOXIDE | | | | |
| DICHLORVOS | 0.100 | N/D | 0.005 | 0.001 | PRALLETHRIN | 0.100 | N/D | 0.005 | 0.005 |
| DIMETHOATE | 0.100 | N/D | 0.001 | 0.001 | PROPICONAZOLE | 0.100 | N/D | 0.010 | 0.005 |
| DIMETHOMORPH | 2.000 | N/D | 0.005 | 0.001 | PROPOXUR | 0.100 | N/D | 0.001 | 0.001 |
| ETHOPROPHOS | 0.100 | N/D | 0.001 | 0.001 | PYRETHRINS | | | | |
| ETOFENPROX | 0.100 | N/D | 0.001 | 0.001 | (PYRETHRIN I) | 0.500 | N/D | 0.005 | 0.005 |
| ETOXAZOLE | 0.100 | N/D | 0.010 | 0.005 | PYRIDABEN | 0.100 | N/D | 0.005 | 0.001 |
| FENHEXAMID | 0.100 | N/D | 0.005 | 0.001 | SPINETORAM | 0.100 | N/D | 0.001 | 0.001 |
| FENOXYCARB | 0.100 | N/D | 0.005 | 0.001 | SPINOSAD | 0.100 | N/D | 0.001 | 0.001 |
| FENPYROXIMATE | 0.100 | N/D | 0.001 | 0.001 | SPIROMESIFEN | 0.100 | N/D | 0.005 | 0.001 |
| FIPRONIL | 0.100 | N/D | 0.003 | 0.001 | SPIROTETRAMAT | 0.100 | N/D | 0.001 | 0.001 |
| FLONICAMID | 0.100 | N/D | 0.025 | 0.010 | SPIROXAMINE | 0.100 | N/D | 0.001 | 0.001 |
| FLUDIOXONIL | 0.100 | N/D | 0.003 | 0.001 | TEBUCONAZOLE | 0.100 | N/D | 0.005 | 0.001 |
| HEXYTHIAZOX | 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



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Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 10/24/2019 09:38:10

| 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 |

† 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

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



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Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 10/18/2019 20:35:22

| 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



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