DANU

# CERTIFICATE OF ANALYSIS

| | |
|---|---|
| **PRODUCT NAME:** | Danu CBD Softgels with Melatonin |
| **PRODUCT STRENGTH:** | 25 mg CBD / 1 mg Melatonin |
| **LOT NUMBER:** | T336 |
| **BEST BY DATE:** | 06/2021 |

*Physical Atttributes*

| Test | Method | Specification | Results |
|---|---|---|---|
| Color | SOP-100 | Golden to Amber | PASS |
| Odor | SOP-100 | N/A | PASS |
| Appearance | SOP-100 | Dry, ovoid softgel capsules in container with lid and shrinkband | PASS |
| Primary Package Eval. | SOP-132 | Container clean and free of filth. Container caps tight and shrink bands intact | PASS |
| Secondary Package Eval. | SOP-132 | Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure. | PASS |

*Review of Third-Party Analysis*

| Panel | Method | Specification | Results | Pass/Fail |
|---|---|---|---|---|
| **Potency** - Total CBD | SOP-111 | 23.75-31.25 mg CBD<br>LOQ*: 10 PPM† (0.001%) | 25.9 mg | PASS |
| **Potency** - D9-THC | SOP-111 | None Detected LOQ: 10 PPM (0.001%) | ND | PASS |
| **FL Compliant Pesticide Panel** | SOP-111 | Florida State Hemp Program Rule 5B-57.014: Action Limits for Pesticides | ND | PASS |
| **Microbial** - Stec E.Coli | SOP-111 | Complies with USP 61/62 | Below LOD | PASS |
| **Microbial** - Salmonella | SOP-111 | Complies with USP 61/62 | Below LOD | PASS |
| **Microbial** - Aspergillus | SOP-111 | Complies with USP 61/62 | Below LOD | PASS |
| **CA Compliant Heavy Metal Panel** | SOP-111 | Arsenic (As): ≤1.5 PPM<br>Cadmium (Cd): ≤0.5 PPM<br>Mercury (Hg): ≤1.0 PPM<br>Lead (Pb): ≤0.5 PPM | Below LOD | PASS |

* Level of Quantitation, † Parts Per Million

Quality Certified by: Darcie Moran 02/06/2020

Darcie Moran — Date

Manager of Quality Assurance

# CERTIFICATE OF ANALYSIS
## ISO/IEC 17025:2017 ACCREDITATION #103104

**Order #:** 45662
**Order Name:** SG25M-T336
**Batch#:** 12
**Received:** 01/08/2020
**Completed:** 01/24/2020

## Sample



| N/D | 6.103% |
|---|---|
| D9-THC | Total CBD |

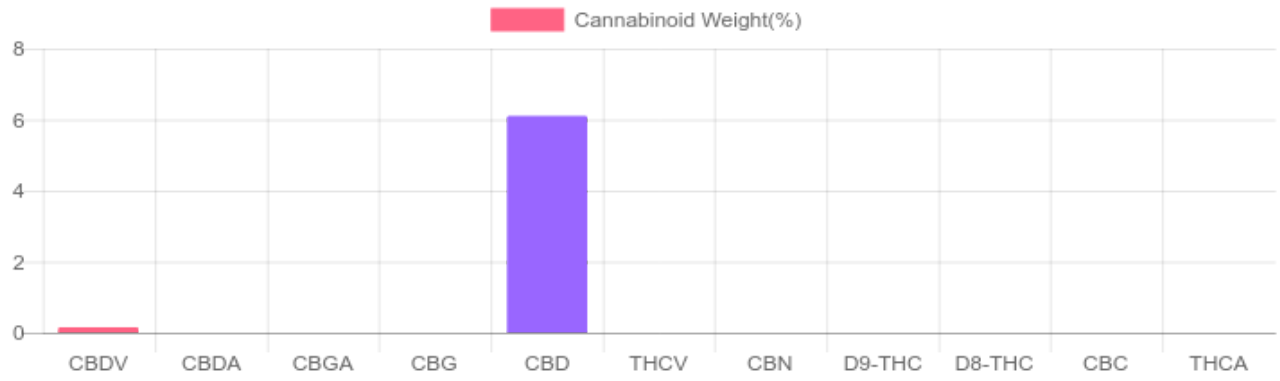
| 26.5 mg | 25.9 mg |
|---|---|
| Cannabinoids per pill | CBD per pill |

1 pill = 0.425 grams per pill x Cannabinoid concentration

## Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA
GSL SOP 400 **PREPARED:** 01/08/2020 15:38:22 **UPLOADED:** 01/09/2020 07:56:25

| Cannabinoids | LOQ | weight(%) | mg/g | mg/pill |
|---|---|---|---|---|
| D9-THC | 10 PPM | N/D | N/D | N/D |
| THCA | 10 PPM | N/D | N/D | N/D |
| CBD | 10 PPM | **6.103%** | **61.032** | **25.9** |
| CBDA | 20 PPM | N/D | N/D | N/D |
| CBDV | 20 PPM | **0.151%** | **1.509** | **0.6** |
| 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* | | **6.103%** | **61.032** | **25.9** |
| TOTAL CANNABINOIDS | | **6.254%** | **62.541** | **26.5** |




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

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## ISO/IEC 17025:2017 ACCREDITATION #103104

**Order #:** 45662
**Order Name:** SG25M-T336
**Batch#:** 12
**Received:** 01/08/2020
**Completed:** 01/24/2020

## PESTICIDE ANALYSIS:

GSL SOP 401 **PREPARED:** 01/08/2020 16:54:58 **UPLOADED:** 01/09/2020 15:41:28

GCMS-MS - Shimadzu GCMS-TQ8040

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|---|---|---|---|---|
| CHLORFENAPYR | 0.010 | N/D | 0.003 | 0.001 |
| COUMAPHOS | 0.010 | N/D | 0.003 | 0.001 |
| CYFLUTHRIN | 0.010 | N/D | 0.003 | 0.001 |
| CYPERMETHRIN | 0.500 | N/D | 0.003 | 0.001 |
| FIPRONIL | 0.010 | N/D | 0.003 | 0.001 |
| FLUDIOXONIL | 0.020 | N/D | 0.003 | 0.001 |
| PENTACHLORONITROBENZENE | 0.030 | N/D | 0.003 | 0.001 |

LCMS-MS - Shimadzu LCMS-8060

| Pesticide | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|---|---|---|---|---|
| ABAMECTIN B1A | 0.020 | N/D | 0.005 | 0.001 |
| ACEPHATE | 0.020 | N/D | 0.001 | 0.001 |
| ACEQUINOCYL | 0.020 | N/D | 0.001 | 0.001 |
| ACETAMIPRID | 10.000 | N/D | 0.005 | 0.001 |
| ALDICARB | 0.010 | N/D | 0.005 | 0.001 |
| AZOXYSTROBIN | 0.100 | N/D | 0.001 | 0.001 |
| BIFENAZATE | 0.010 | N/D | 0.005 | 0.001 |
| CHLORPYRIFOS | 0.020 | N/D | 0.001 | 0.001 |
| CLOFENTEZINE | 0.040 | N/D | 0.001 | 0.001 |
| DAMINOZIDE | 0.010 | N/D | 0.005 | 0.001 |
| DIAZANON | 0.010 | N/D | 0.001 | 0.001 |
| DICHLORVOS | 0.020 | N/D | 0.005 | 0.001 |
| DIMETHOATE | 0.010 | N/D | 0.001 | 0.001 |
| DIMETHOMORPH | 0.010 | N/D | 0.005 | 0.001 |
| ETHOPROPHOS | 0.010 | N/D | 0.001 | 0.001 |
| ETOFENPROX | 0.010 | N/D | 0.001 | 0.001 |
| ETOXAZOLE | 0.010 | N/D | 0.010 | 0.005 |
| FENHEXAMID | 0.080 | N/D | 0.005 | 0.001 |
| FENOXYCARB | 0.010 | 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 | 0.010 | N/D | 0.005 | 0.001 |
| IMIDACLOPRID | 0.020 | N/D | 0.005 | 0.001 |
| KRESOXIM-METHYL | 0.020 | N/D | 0.010 | 0.005 |
| MALATHION | 0.010 | N/D | 0.005 | 0.001 |
| METALAXYL | 0.010 | N/D | 0.001 | 0.001 |
| METHIOCARB | 0.010 | N/D | 0.005 | 0.001 |
| METHOMYL | 0.010 | N/D | 0.001 | 0.001 |
| MEVINPHOS | 0.010 | N/D | 0.001 | 0.001 |
| MYCLOBUTANIL | 0.020 | N/D | 0.005 | 0.001 |
| NALED | 0.010 | N/D | 0.005 | 0.001 |
| OXAMYL | 0.026 | N/D | 0.001 | 0.001 |
| PACLOBUTRAZOL | 0.010 | N/D | 0.005 | 0.001 |
| PERMETHRINS | 0.020 | N/D | 0.005 | 0.001 |
| PHOSMET | 0.020 | N/D | 0.005 | 0.001 |
| PIPERONYL BUTOXIDE | 3.000 | N/D | 0.001 | 0.001 |
| PRALLETHRIN | 0.020 | N/D | 0.005 | 0.005 |
| PROPICONAZOLE | 0.020 | N/D | 0.010 | 0.005 |
| PROPOXUR | 0.020 | N/D | 0.001 | 0.001 |
| PYRETHRINS (PYRETHRIN I) | 0.500 | N/D | 0.005 | 0.005 |
| PYRIDABEN | 0.020 | N/D | 0.005 | 0.001 |
| SPINETORAM | 0.040 | N/D | 0.001 | 0.001 |
| SPINOSAD (SPINOSYN A) | 0.020 | N/D | 0.001 | 0.001 |
| SPINOSAD (SPINOSYN D) | 0.020 | N/D | 0.001 | 0.001 |
| SPIROMESIFEN | 0.030 | N/D | 0.005 | 0.001 |
| SPIROTETRAMAT | 0.020 | N/D | 0.001 | 0.001 |
| SPIROXAMINE | 0.010 | N/D | 0.001 | 0.001 |
| TEBUCONAZOLE | 0.010 | N/D | 0.005 | 0.001 |
| THIACLOPRID | 0.010 | N/D | 0.001 | 0.001 |
| THIAMETHOXAM | 0.010 | N/D | 0.001 | 0.001 |
| TRIFLOXYSTROBIN | 0.020 | 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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1-833 TEST CBD

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**Batch#:** 12
**Received:** 01/08/2020
**Completed:** 01/24/2020

## Microbial Analysis:

**Microbial Analysis** GSL SOP 406

**Uploaded:** 01/13/2020 18:32:11

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 |

† 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:** 01/09/2020 18:21:19

| 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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