

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CBD Softgels with Curcumin
PRODUCT STRENGTH: 25 mg CBD / 10 mg Curcumin
FILL LOT NUMBER: [GC/C32520-04](#)
SOFTGEL LOT NUMBER: 20288A
BEST BY DATE: 03/03/2022

Click on the links to view third-party reports

Physical Attributes

| Test | Method | Specification | Results |
|-------------------------|---------|--|---------|
| Color | SOP-100 | Bright Red to Pink | 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 | 25-31.25 mg CBD LOQ**: 10 PPM† (0.001%) | 25.1 mg | PASS |
| Potency - D9-THC | SOP-111 | None Detected LOQ: 10 PPM (0.001%) | ND | PASS |
| Compliant Pesticide Panel | SOP-111 | WIP-100008 : Product specification for Tinctures, Oregon Action limits apply | ND | PASS |
| Microbial - Stec E.Coli | SOP-111 | Complies with USP 61/62 | Below LOQ | PASS |
| Microbial - Salmonella | SOP-111 | Complies with USP 61/62 | Below LOQ | PASS |
| Microbial - Yeast and Mold | SOP-111 | Complies with USP 61/62 | Below LOQ | PASS |
| CA Compliant Heavy Metal Panel | SOP-111 | Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM | ND | PASS |

* *Level of Quantitation, † Parts Per Million

Quality Certified Kei Horikawa 11/10/2020
 Kei Horikawa _____
 Quality Control Manager Date



SG25C Nano Gelcap

sample ID Lot# 20288A

7USC1639 Certificate of Analysis

certificate ID
0LG02

total cannabinoids **25.3mg** per capsule

THC‡ ND CBD‡ 25.1mg terpenes 0.478%

This Product Has Been Tested and Complies with 7USC1639o(1)

Stillwater Laboratories

order 8852

analysis date 11/9/2020 11:58:55 AM

test tag
sample wgt

Inspection MSP-7.5.1.2

DESCRIPTION: Capsule sample received in a client-labeled bottle, by commercial courier. 31 per container. Labeled Lot# 20288A.

| | | |
|---------------|-------|--------|
| caryophyllene | 0.000 | HERBAL |
| humulene | | |
| terpinolene | | |
| ocimene | | |
| beta pinene | | |
| alpha pinene | | |
| limonene | | |
| myrcene | | |
| linalool | | FLORAL |

7USC1639 Infused



Potency per capsule

| | MSP-7.5.1.4 | LOD | LOQ | error (95%CI k=2) |
|------------------------------------|-------------|------|------|-------------------|
| tetrahydrocannabinolic acid (THCa) | ND | 0.36 | 1.07 | ±1.07mg |
| Δ9-tetrahydrocannabinol (Δ9 THC) | ND | 0.33 | 1.00 | ±1.00mg |
| Δ8-tetrahydrocannabinol (Δ8 THC) | ND | 0.45 | 1.35 | ±1.35mg |
| tetrahydrocannabivarin (THCv) | ND | 0.37 | 1.12 | ±1.12mg |
| cannabidiolic acid (CBDa) | ND | 0.31 | 0.93 | ±0.93mg |
| cannabidiol (CBD) | 25.1mg | 0.35 | 1.06 | ±1.26mg |
| cannabidivarin (CBDv) | ND | 0.35 | 1.06 | ±1.06mg |
| cannabigerolic acid (CBGa) | ND | 0.32 | 0.95 | ±0.95mg |
| cannabigerol (CBG) | ND | 0.38 | 1.15 | ±1.15mg |
| cannabinol (CBN) | ND | 0.19 | 0.58 | ±0.58mg |
| cannabichromene (CBC) | ND | 0.35 | 1.05 | ±1.06mg |

Terpenes

| | MSP-7.5.1.6 | MSP-7.5.1.6 |
|-----------------|-------------|------------------------|
| linalool | 0.001% | Δ3-carene ND |
| β-myrcene | ND | caryophyllene oxide ND |
| D-limonene | ND | para-cymene ND |
| α-pinene | ND | eucalyptol ND |
| β-pinene | ND | geraniol ND |
| ocimene | ND | guaial ND |
| terpinolene | ND | isopulegol ND |
| α-humulene | 0.022% | cis-nerolidol ND |
| β-caryophyllene | 0.452% | trans-nerolidol ND |
| α-bisabolol | ND | α-terpinene ND |
| camphene | ND | γ-terpinene ND |

‡ = decarbed NT = not tested NL = no limit, ND = not detected, LOD = detection limit , LOQ = quantitation limit

| Microbial | MSP-7.5.1.10 | limit | Metals | MSP-7.5.1.11 | limit | Pesticides | MSP-7.5.1.8 | limit | Pesticides | MSP-7.5.1.8 | limit |
|-------------------|--------------|-----------|--------------------|--------------|----------|------------------|-------------|----------|-------------------|-------------|----------|
| E coli | PASS | 0CFU | Arsenic | PASS | 1500 ppb | Daminozide | PASS | 0.0 ppm | Piperonylbutoxide | PASS | 8.0 ppm |
| Salmonella sp. | PASS | 0CFU | Cadmium | PASS | 500 ppb | Dichlorvos | PASS | 0.0 ppm | Prallethrin | PASS | 0.4 ppm |
| molds | PASS | 10000CFU | Lead | PASS | 500 ppb | Diazinon | PASS | 0.2 ppm | Propiconazole | PASS | 20.0 ppm |
| Ochratoxin A | PASS | 20 ppb | Mercury | PASS | 300 ppb | Dimethoate | PASS | 0.0 ppm | Propoxur | PASS | 0.0 ppm |
| Aflatoxin | PASS | 20 ppb | | | | Etozazole | PASS | 1.5 ppm | Pyrethrin | PASS | 1.0 ppm |
| Solvents | MSP-7.5.1.7 | limit | Pesticides | MSP-7.5.1.8 | limit | Fenoxycarb | PASS | 0.0 ppm | Pyridaben | PASS | 3.0 ppm |
| Acetone | PASS | 5000 ppm | Abamectin | PASS | 0.3 ppm | Fenpyroximate | PASS | 2.0 ppm | Spinetoram | PASS | 3.0 ppm |
| Acetonitrile | PASS | 410 ppm | Acephate | PASS | 5.0 ppm | Fipronil | PASS | 0.0 ppm | Spinosad | PASS | 3.0 ppm |
| Benzene | PASS | 0 ppm | Acequinocyl | PASS | 4.0 ppm | Fonicamid | PASS | 2.0 ppm | Spiromesifen | PASS | 12.0 ppm |
| Butane | PASS | 5000 ppm | Acetamidprid | PASS | 5.0 ppm | Fludioxonil | PASS | 30.0 ppm | Spirotetramat | PASS | 13.0 ppm |
| Chloroform | PASS | 0 ppm | Aldicarb | PASS | 0.4 ppm | Hexythiazox | PASS | 2.0 ppm | Spiroxamine | PASS | 0.0 ppm |
| Cyclohexane | PASS | 0 ppm | Azoxystrobin | PASS | 40.0 ppm | Imazalil | PASS | 0.0 ppm | Tebuconazole | PASS | 2.0 ppm |
| Ethanol | PASS | 10000 ppm | Bifenazate | PASS | 5.0 ppm | Imidacloprid | PASS | 3.0 ppm | Thiacloprid | PASS | 0.1 ppm |
| Heptane | PASS | 5000 ppm | Bifenthrin | PASS | 0.5 ppm | Malathion | PASS | 5.0 ppm | Thiamethoxam | PASS | 4.5 ppm |
| Hexane | PASS | 290 ppm | Boscalid | PASS | 10.0 ppm | Metalaxyl | PASS | 15.0 ppm | Trifloxystrobin | PASS | 30.0 ppm |
| Isopropyl alcohol | PASS | 5000 ppm | Carbaryl | PASS | 0.5 ppm | Methiocarb | PASS | 0.0 ppm | | | |
| Methanol | PASS | 3000 ppm | Carbofuran | PASS | 0.0 ppm | Methomyl | PASS | 0.1 ppm | | | |
| Pentane | PASS | 5000 ppm | Chlorantranilprole | PASS | 40.0 ppm | Methyl parathion | PASS | 0.0 ppm | | | |
| Propane | PASS | 5000 ppm | Chlorfenapyr | PASS | 0.0 ppm | Mevinphos | PASS | 0.0 ppm | | | |
| Toluene | PASS | 890 ppm | Chlorpyrifos | PASS | 0.0 ppm | Myclobutanil | PASS | 9.0 ppm | | | |
| Xylenes | PASS | 2170 ppm | Clofentezine | PASS | 0.5 ppm | Naled | PASS | 0.5 ppm | | | |
| | | | Coumaphos | PASS | 0.0 ppm | Oxamyl | PASS | 0.2 ppm | | | |
| | | | Cyfluthrin | PASS | 1.0 ppm | Paclobutrazol | PASS | 0.0 ppm | | | |
| | | | Cypermethrin | PASS | 1.0 ppm | Permethrin | PASS | 20.0 ppm | | | |
| | | | | | | Phosmet | PASS | 0.2 ppm | | | |

INSTRUMENTS
 potency: HPLC (LC2030C-UV)
 terpenes: GCMS (QP2020/HS20)
 solvents: GCMS (QP2020/HS20)
 pesticides: LCMSMS (LC8060)
 mycotoxins: LCMSMS (LC8060)
 microbial: qPCR (AriaMx) and plating
 metals: ICPMS (ICPMS-2030)

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by:

Paula Kosted, PhD (Biochem)
Deputy Director

Stillwater Laboratories Inc.
MT License L00001, 7, 8
6073 US93N Suite 5
Olney MT 59927
406-881-2019

Printed
11/10/2020 4:34 PM

The data in this report is the property of Joy Organics and is administered by Stillwater Labs. The format, layout, and security features of this report are copyrighted by Stillwater Laboratories Inc. © 2020



ISO/IEC 17025:2017



Certificate #4961.01

<https://portal.a2la.org/scopepdf/4961-01.pdf>

CONFIDENTIAL EXTRACTOR

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CBD Soft Gels Curcumin, 25mg CBD/10mg Curcumin

PRODUCT CODE: GCC3-X-Y-A

LOT NUMBER: GC/C32520-04

DATE OF MANUFACTURE: 03SEP2020 **EXPIRATION DATE:** 03MAR2022

(DDMMYYYY)

(Expiration date is 18 months
under sealed conditions.)

INGREDIENTS:

Composition of Fill: Polysorbate 80, Polysorbate 20, Fractionated Coconut Oil, Broad Spectrum CBD Hemp Oil, β -Caryophyllene, Curcuminoids

Composition of the Shell: Bovine-derived Gelatin, Glycerin, Water

| Parameter | Method ¹ | Specification | Results |
|--|-----------------------------|---|--|
| Appearance | QCU002 | Oval soft gelatin capsule | Pass |
| Color | | Dark Red | Pass |
| Cannabinoids | | LOQ (mg/g) | Wt. (%) (mg/g) |
| CBD | | 0.018 | N/A 66.08 |
| CBD-A | | 0.0027 | N/A ND |
| Δ 9-THC | | 0.0115 | N/A ND |
| THC-A | | 0.006 | N/A ND |
| CBN | | 0.0041 | N/A ND |
| CBG | | 0.0143 | N/A ND |
| CBC | HPLC-SOP 101 (CannaSafe) | 0.0027 | N/A ND |
| Δ 8-THC | | 0.0115 | N/A ND |
| CBDV | | 0.0126 | N/A 1.56 |
| THCV | | 0.0111 | N/A ND |
| Potency – Total CBD | | NLT 95% of Labelled Claim for CBD | 28.1 mg CBD/softgel 113% of Labelled Claim |
| Total THC | | 0.0% | 0.0% |
| Identity – CBD | | Retention Time \pm 0.05min of Standard | 0.00 min |
| Curcumin Content | HPLC-DAD | 80 – 120% of Labelled Claim for Curcumin | 9.4 mg Curcumin/softgel 94% of Labelled Claim |
| Terpenes² | GC/FID & LC/MS | Refer to Oil Specification | Refer to Oil Specification |
| Pesticides² | LC/MS & GC/MS | Refer to Oil Specification | Refer to Oil Specification |
| Residual Solvents² | USP <467> | Refer to Oil Specification | Refer to Oil Specification |
| Elemental Impurities:² | USP <2232> | Refer to Oil Specification | Refer to Oil Specification |
| Microbial Limits:² | USP<2032> | Refer to Oil Specification | Refer to Oil Specification |

Notes: ¹according to Valium Biosciences internal analytical methods, US Pharmacopeia or 3rd party contract laboratory method. ² Testing performed on bulk oil. ND=Not Detected, LOQ=Limit of Quantification, LOD=Limit of Detection, N/A=Not Applicable

PLEASE NOTE: Curcumin is naturally bright yellow in color and tends to stain anything it comes into contact with. Any discoloration of the packaging, container or skin that the curcumin product touches is natural and expected. The yellow coloration is not a reflection of the product quality or indicative of any defect.

The above certificate of analysis is based on Product Specification (QA-FRM3-0005 GCC3-X-Y-A)

Revision No. 01