

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.

Terpene	0.000	HERBAL
caryophyllene		
humulene		
terpinolene		
ocimene		
beta pinene		
alpha pinene		
limonene		
myrcene		
linalool		



7USC1639 Infused

Potency per capsule

Compound	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

Terpene	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	Chlorantraniliprole	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

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406-881-2019

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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	0.0027	N/A ND
Δ 8-THC	(CannaSafe)	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. ²Testing 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