DANU

CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Danu CBD Softgels
PRODUCT STRENGTH:	10 mg
LOT NUMBER:	21039A
BEST BY DATE:	06/29/2022
SOFTGEL LOT NUMBER:	GC1020-09

Click on the links to view third-party reports

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	9.5-12.5 mg CBD LOQ**: 10 PPM† (0.001%)	11.6 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 Softgels, Oregon Action limits apply	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 - Yeast/Mold	SOP-111	Complies with USP 61/62	BELOW LOD	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 by: Kei Horikawa 02/12/2021

Kei Horikawa
Quality Control Manager

Date

CannaSafe - LA
7027 Hayvenhurst Ave.
Van Nuys, CA 91406

(818) 922-2416
https://www.csalabs.com
Lic# C8-0000040-LIC

Hemp Testing

GC1020-09

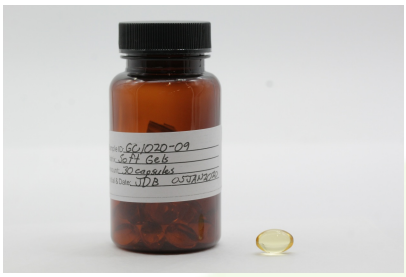
Sample ID: 2101CSALA4254.0895

Matrix: Hemp
Type: Industrial Hemp
Sample Size: 1 units
County Sample ID:

Produced: N/A
Collected: 01/06/2021
Received: 01/06/2021
Completed: 02/02/2021

Physical Address:
Sampler:
Sample Received By:
Sample Tested By: Saro Kanaan

Registration #:
Registrant Name:
Registrant Contact #:



ND	11.6396 mg/serving	11.6396 mg/serving
Δ9-THC	Total CBD	Total Cannabinoids

Cannabinoids

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results
	mg/g	mg/g	mg/serving	mg/g
CBD	0.0437	0.4482	11.6396	18.0180
CBC	0.0138	0.4482	ND	ND
CBDa	0.0598	0.4482	ND	ND
CBDV	0.0896	0.4482	ND	ND
CBG	0.1149	0.4482	ND	ND
CBGa	0.0552	0.4482	ND	ND
CBN	0.0276	0.4482	ND	ND
THCa	0.0253	0.4482	ND	ND
THCV	0.0873	0.4482	ND	ND
Δ8-THC	0.0414	0.4482	ND	ND
Δ9-THC	0.0322	0.4482	ND	ND
Total			**11.6396**	**18.0180**

1 serving = 1 Capsule, 0.646 grams; 30.0 servings per package; 0.0 mg/package Total THC; 349.1892 mg/package Total CBD;

Date Tested: 02/01/2021

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample;

ISO / IEC 17025:2017 ACCREDITED
LABORATORY
Accreditation No. 73653

Douglas Duncan
Lab Director
02/02/2021

Cecilia Melgar
COA Review
02/02/2021

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Hemp Testing

GC1020-09

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Matrix: Hemp
Type: Industrial Hemp
Sample Size: 1 units
County Sample ID:

Produced: N/A
Collected: 01/06/2021
Received: 01/06/2021
Completed: 02/02/2021

Physical Address:
Sampler:
Sample Received By:
Sample Tested By: Saro Kanaan

Registration #:
Registrant Name:
Registrant Contact #:

Pesticides

Tested

Testing method: LCMS & GCMS-SOP 301 and 302

Analyte	LOD	LOQ	Results
	µg/g	µg/g	µg/g
Abamectin	0.0125	0.0749	ND
Acephate	0.0025	0.0974	ND
Acequinocyl	0.0025	0.0974	ND
Acetamiprid	0.0025	0.0974	ND
Aldicarb *	0.0062	0.0974	ND
Azoxystrobin	0.0037	0.0974	ND
Bifenazate	0.0025	0.0974	ND
Bifenthrin	0.0075	0.0974	ND
Boscalid	0.0075	0.0974	ND
Captan	0.0237	0.1948	ND
Carbaryl	0.0037	0.0974	ND
Carbofuran *	0.0037	0.0974	ND
Chlorantraniliprole	0.0062	0.0974	ND
Chlordane *	0.0062	0.0487	ND
Chlorfenapyr *	0.0112	0.0487	ND
Chlorpyrifos *	0.0037	0.0974	ND
Clofentezine	0.005	0.0974	ND
Coumaphos *	0.0025	0.0974	ND
Cyfluthrin	0.01	0.0974	ND
Cypermethrin	0.0062	0.0974	ND
Daminozide *	0.01	0.0974	ND
DDVP *	0.0025	0.0974	ND
Diazinon	0.0025	0.0974	ND
Dimethoate *	0.0025	0.0974	ND
Dimethomorph	0.0069	0.0974	ND
Ethoprophos *	0.0037	0.0974	ND
Etofenprox *	0.0025	0.0974	ND
Etoxazole	0.0025	0.0974	ND
Fenhexamid	0.0025	0.0974	ND
Fenoxycarb *	0.005	0.0974	ND
Fenpyroximate	0.0025	0.0974	ND
Fipronil *	0.015	0.0974	ND
Flonicamid	0.005	0.0974	ND

Analyte	LOD	LOQ	Results
	µg/g	µg/g	µg/g
Fludioxonil	0.0075	0.0974	ND
Hexythiazox	0.0012	0.0974	ND
Imazalil *	0.01	0.0974	ND
Imidacloprid	0.0025	0.0974	ND
Kresoxim Methyl	0.0037	0.0974	ND
Malathion	0.005	0.0974	ND
Metalaxyl	0.0037	0.0974	ND
Methiocarb *	0.005	0.0974	ND
Methomyl	0.005	0.0974	ND
Methyl Parathion *	0.0087	0.0487	ND
Mevinphos *	0.0025	0.0974	ND
Myclobutanil	0.0062	0.0974	ND
Naled	0.01	0.0974	ND
Oxamyl	0.0037	0.0974	ND
Paclobutrazol *	0.005	0.0974	ND
Pentachloronitrobenzene	0.0037	0.0487	ND
Permethrin	0.0025	0.0974	ND
Phosmet	0.0025	0.0974	ND
Piperonyl Butoxide	0.0012	0.0974	ND
Prallethrin	0.0037	0.0974	ND
Propiconazole	0.0025	0.0974	ND
Propoxur *	0.0025	0.0974	ND
Pyrethrins	0.0075	0.0837	ND
Pyridaben	0.0125	0.0974	ND
Spinetoram	0.0037	0.0974	ND
Spinosad	0.005	0.0987	ND
Spiromesifen	0.0025	0.0974	ND
Spirotetramat	0.0037	0.0974	ND
Spiroxamine *	0.0012	0.0974	ND
Tebuconazole	0.0125	0.0974	ND
Thiacloprid *	0.0025	0.0974	ND
Thiamethoxam	0.0025	0.0974	ND
Trifloxystrobin	0.0025	0.0974	ND

Date Tested: 01/07/2021

* Denotes Category I pesticides, which fail when detected; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

ISO / IEC 17025:2017 ACCREDITED LABORATORY
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Douglas Duncan
Lab Director
02/02/2021

Cecilia Melgar
COA Review
02/02/2021

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Type: Industrial Hemp
Sample Size: 1 units
County Sample ID:

Produced: N/A
Collected: 01/06/2021
Received: 01/06/2021
Completed: 02/02/2021

Physical Address:
Sampler:
Sample Received By:
Sample Tested By: Saro Kanaan

Registration #:
Registrant Name:
Registrant Contact #:

Heavy Metals

Tested

Testing method: ICPMS-SOP 502

Analyte	LOD	LOQ	Results
	µg/g	µg/g	µg/g
Arsenic	0.005	0.05	<LOQ
Cadmium	0.003	0.05	<LOQ
Lead	0.01	0.05	0.058
Mercury	0.002	0.05	<LOQ

Date Tested: 01/07/2021

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

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Hemp Testing

GC1020-09

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Matrix: Hemp
Type: Industrial Hemp
Sample Size: 1 units
County Sample ID:

Produced: N/A
Collected: 01/06/2021
Received: 01/06/2021
Completed: 02/02/2021

Physical Address:
Sampler:
Sample Received By:
Sample Tested By: Saro Kanaan

Registration #:
Registrant Name:
Registrant Contact #:

Traditional Microbials

Tested

Testing method: Petrifilm-SOP 402

Analyte	Limit	Results	Status
	cfu/g	cfu/g	
Enterobacter	ND	ND	Pass
Salmonella	ND	ND	Pass
E. Coli	ND	ND	Pass
Total aerobic plate count	< 1000	ND	Pass
Total coliforms	ND	ND	Pass
Total Yeast & Mold	< 100	ND	Pass

Date Tested: 01/12/2021

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

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

Order #: 47425
Order Name: 14Dec19NOB
Batch#: 14Dec19NOB
Received: 01/29/2020
Completed: 03/05/2020

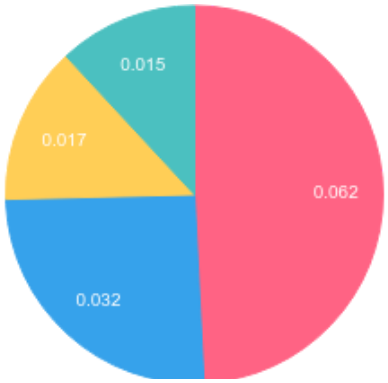
TERPENES: TOTAL (0.126%)

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

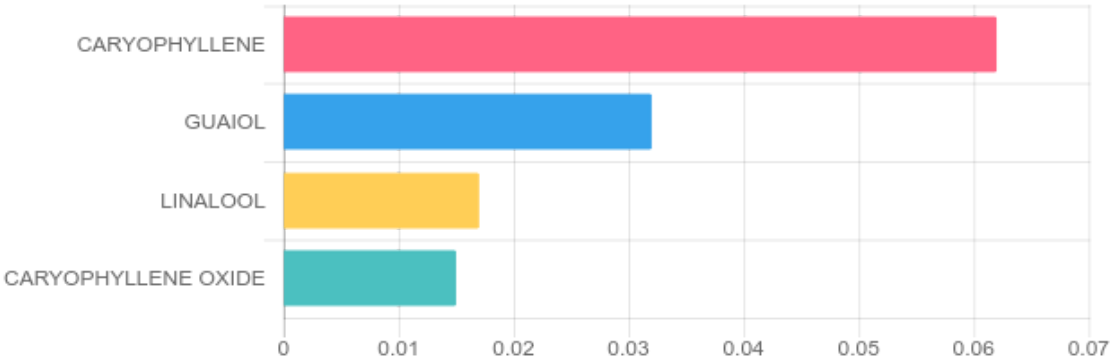
GSL SOP 404
Prepared: 01/29/2020 16:43:04
Uploaded: 01/30/2020 08:38:12

Terpene	Results (%)	LOQ (%)	LOD (%)
CARYOPHYLLENE	0.062%	0.0067%	0.0063%
CARYOPHYLLENE OXIDE	0.015%	0.0067%	0.0063%
GUAIOL	0.032%	0.0067%	0.0063%
LINALOOL	0.017%	0.0067%	0.0063%

Terpenes Breakdown



Top Terpenes Results:



Tested for but not present:

ALPHA-PINENE, CAMPHENE, BETA-MYRCENE, BETA-PINENE, 3-CARENE, ALPHA-TERPINENE, TRANS-BETA-OCIMENE, LIMONENE, P-CYMENE, CIS-BETA-OCIMENE, EUCALYPTOL, GAMMA.-TERPINENE, TERPINOLENE, ISOPULEGOL, GERANIOL, HUMULENE, CIS-NEROLIDOL, TRANS-NEROLIDOL, ALPHA-BISABOLOL

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 #: 47425
Order Name: 14Dec19NOB
Batch#: 14Dec19NOB
Received: 01/29/2020
Completed: 03/05/2020

PESTICIDE ANALYSIS:

GSL SOP 401 **PREPARED:** 01/29/2020 16:41:44 **UPLOADED:** 01/31/2020 13:52:19

GCMS-MS - Shimadzu GCMS-TQ8040

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
FIPRONIL	0.100	N/D	0.003	0.001

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
FLUDIOXONIL	0.100	N/D	0.003	0.001

LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.001
ACEPHATE	0.100	N/D	0.001	0.001
ACEQUINOCYL	0.100	N/D	0.001	0.001
ACETAMIPRID	0.100	N/D	0.005	0.001
ALDICARB	0.100	N/D	0.005	0.001
AZOXYSTROBIN	0.100	N/D	0.001	0.001
BIFENAZATE	0.100	N/D	0.005	0.001
BIFENTHRIN	3.000	N/D	0.005	0.001
BOSCALID	0.100	N/D	0.005	0.001
CARBARYL	0.500	N/D	0.003	0.001
CARBOFURAN	0.100	N/D	0.001	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005
CHLORPYRIFOS	0.100	N/D	0.001	0.001
CLOFENTEZINE	0.100	N/D	0.001	0.001
DAMINOZIDE	0.100	N/D	0.005	0.001
DIAZINON	0.100	N/D	0.001	0.001
DICHLORVOS	0.100	N/D	0.005	0.001
DIMETHOATE	0.100	N/D	0.001	0.001
DIMETHOMORPH	2.000	N/D	0.005	0.001
ETHOPROPHOS	0.100	N/D	0.001	0.001
ETOFENPROX	0.100	N/D	0.001	0.001
ETOXAZOLE	0.100	N/D	0.010	0.005
FENHEXAMID	0.100	N/D	0.005	0.001
FENOXYCARB	0.100	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	0.100	N/D	0.005	0.001

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
IMIDACLOPRID	5.000	N/D	0.005	0.001
KRESOXIM-METHYL	0.100	N/D	0.010	0.005
MALATHION	0.500	N/D	0.005	0.001
METALAXYL	2.000	N/D	0.001	0.001
METHIOCARB	0.100	N/D	0.005	0.001
METHOMYL	1.000	N/D	0.001	0.001
MEVINPHOS	0.100	N/D	0.001	0.001
MYCLOBUTANIL	0.100	N/D	0.005	0.001
NALED	0.100	N/D	0.005	0.001
OXAMYL	0.500	N/D	0.001	0.001
PACLOBUTRAZOL	0.100	N/D	0.005	0.001
PERMETHRINS	0.500	N/D	0.005	0.001
PHOSMET	0.100	N/D	0.005	0.001
PIPERONYL BUTOXIDE	3.000	N/D	0.001	0.001
PRALLETHRIN	0.100	N/D	0.005	0.005
PROPICONAZOLE	0.100	N/D	0.010	0.005
PROPOXUR	0.100	N/D	0.001	0.001
PYRETHRINS (PYRETHRIN I)	0.500	N/D	0.005	0.005
PYRIDABEN	0.100	N/D	0.005	0.001
SPINETORAM	0.100	N/D	0.001	0.001
SPINOSAD	0.100	N/D	0.001	0.001
SPIROMESIFEN	0.100	N/D	0.005	0.001
SPIROTETRAMAT	0.100	N/D	0.001	0.001
SPIROXAMINE	0.100	N/D	0.001	0.001
TEBUCONAZOLE	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

Dr. Andrew Hall, Ph.D.,Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

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1-833 TEST CBD

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ISO/IEC 17025:2017 ACCREDITATION #103104

Order #: 47425
Order Name: 14Dec19NOB
Batch#: 14Dec19NOB
Received: 01/29/2020
Completed: 03/05/2020

RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405
Prepared: 01/29/2020 16:44:25
Uploaded: 01/30/2020 08:27:51

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ACETONE	5,000	N/D	140	20
ACETONITRILE	410	N/D	25	1
BENZENE	1	N/D	1	0.5
BUTANE	5,000	N/D	50	10
CHLOROFORM	1	N/D	1	0.5
DICHLOROETHANE	1	N/D	1	0.5
DICHLOROMETHANE	1	N/D	1	0.5
ETHANOL	5,000	B/LOQ	140	20
ETHYL ACETATE	5,000	N/D	140	20
ETHYL ETHER	5,000	N/D	140	20
ISOPROPYL ALCOHOL	5,000	N/D	140	20
METHANOL	3,000	N/D	100	20
N-HEPTANE	5,000	N/D	140	20
N-HEXANE	290	N/D	18	10
PENTANE	5,000	N/D	140	20
PROPANE	5,000	N/D	20	1
TOLUENE	890	N/D	53	1
TRICHLOROETHENE	1	N/D	0	0
XYLENES	2,170	N/D	130	20

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Order #: 47425
Order Name: 14Dec19NOB
Batch#: 14Dec19NOB
Received: 01/29/2020
Completed: 03/05/2020

Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 02/05/2020 09:24:10

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
YEAST AND MOLD	USP 61/62†	ARIAMX PCR	363.05518 CFU/G**	1,000	BELOW THRESHOLD	PASS
TOTAL AEROBIC BACTERIA	USP 61/62†	ARIAMX PCR	0.25316 CFU/G**	10,000	BELOW THRESHOLD	PASS
COLIFORM	USP 61/62†	ARIAMX PCR	3.41539 CFU/G**	100	BELOW THRESHOLD	PASS
ENTEROBACTERIACEAE	USP 61/62†	ARIAMX PCR	0.32951 CFU/G**	100	BELOW THRESHOLD	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
** CFU/g Calculation based on Select Category Type Gummy MIP/Extract Flower matrix
*** Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

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info@greenscientificlabs.com
1-833 TEST CBD

Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.

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

Order #: 47425
Order Name: 14Dec19NOB
Batch#: 14Dec19NOB
Received: 01/29/2020
Completed: 03/05/2020

Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-8060
GSL SOP 401

Uploaded: 01/31/2020 13:52:18

Analyte	Action Lvl (ppb)	Results (ppb)
AFLATOXIN B1	20	N/D
AFLATOXIN B2	20	N/D
AFLATOXIN G1	20	N/D
AFLATOXIN G2	20	N/D
OCHRATOXIN A	20	N/D

LOQ is 4ppb, LOD is 1ppb

Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 01/31/2020 17:07:13

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

Dr. Andrew Hall, Ph.D.,Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

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SG10 Gelcap

Certificate of Analysis

ISO/IEC 17025:2017
ACCREDITED
Certificate #4961.01

Stillwater Laboratories

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

Lot# 21039A

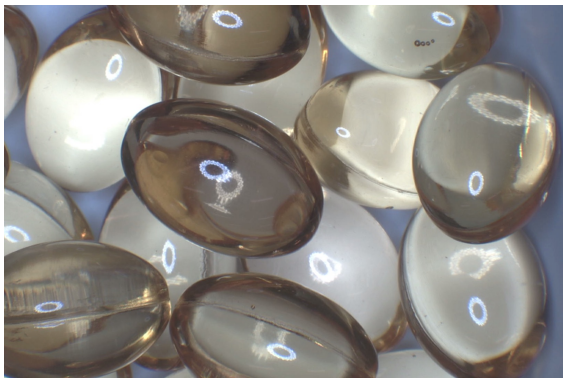
Sample Handling

test ID **9792.1** sample date 2/10/21 11:40 AM
order **9792** labID **1BH72** weight
source 1Z435FV90226827790

Methods

	method	equipment
weights	MSP-7.3.1.3	AUX120.1
potency	MSP-7.5.1.5	LC-2030
terpenes	MSP-7.5.1.7	QP2020/HS20
pesticides	MSP-7.5.1.8	LC-8060
mycotoxins	MSP-7.5.1.8	LC-8060
microbial	MSP-7.5.1.1	AriaMx/Hardy
solvents	MSP-7.5.1.6	QP2020/HS20
metals	MSP-7.5.1.11	ICPMS2030

Gelcap



Potency

potency
not tested

Terpenes

terpenes
not tested / not required

Solvents

Pesticides (MT)

Pesticides (other)

pesticides
not tested / not required

not tested /
not required

Toxic Metals

metals
not tested / not required

Microbial

	MT limit	1BH72	LOQ
E. coli	10 CFU	0 CFU	<10 CFU/g
Salmonella sp.	10 CFU	0 CFU	<10 CFU/g
molds	10000 CFU	0 CFU	<10k CFU/g

Comments

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = $[cannabinoid]_{HPLC}$ x $volume_{dilution}/m_{dry}$. Terpene concentration is calcuated from the equation: [terpene] = $(terpene\ mass)_{GCMS}$ / m_{dry}. ••• Decarboxyted cannabinoid concentration is calculated from the equation XXX_{total} = 0.877 x XXXa + XXX •••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; this is combined with error from weighing and dilution using the propagation of error formula $s_g^2 = \sum(\partial f/\partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) $\pm$ t_{CL90} x s_g. Sampling error is not

Certified by:

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