

Order #: 55611 Order Name: ROLLON LEVEL 3 1200mg Batch#: 0520711082 Received: 06/09/2020 Completed: 06/18/2020

Sample

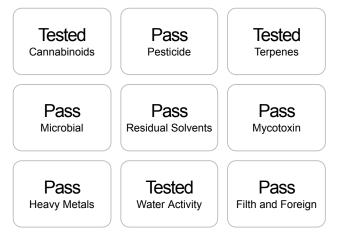


#### **Cannabinoid Summary**

N/D D9-THC 1,324.6 mg Cannabinoids per unit 1,263.1 mg CBD per unit

1 unit = 74 ml per unit x density (1) x Cannabinoid concentration

### **Testing Summary**



#### Instruments

GCMS-MS - Shimadzu GCMS-TQ8040 LCMS-MS - Shimadzu LCMS-8060 Headspace GCMS - Shimadzu GCMS QP2020 with HS20 SHIMADZU INTEGRATED UPLC-PDA ICP-MS - Shimadzu ICPMS-2030 LC-MS - Shimadzu LCMS-8060 PCR - Agilent AriaMX HD-3A Water Activity Meter Amscope Simul-Focal Trinocular Stereo Zoom Microscope

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

Ben Witten, MS, MT., Lab Director

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#### Batch Info

ID: 0520711082 Date: 06/05/2020 Exp. Date: 06/05/2022 Size: 222000 Total Qty Produced: 3000

#### **Report Download Info**

URL: https://www.verifycbd.com/report/5263zd93b

D9-THC
THCA
CBD 1.707%
CBDA
CBDV 0.013%
CBC
CBN
CBG 0.071%
CBGA
D8-THC
THCV

#### SOPS

Cannabinoids Test - GSL SOP 400 Terpenes Test - GSL SOP 404 Pesticide Analysis - GSL SOP 401 Residual Solvents - GSL SOP 405 Heavy Metals Analysis - GSL SOP 403 Mycotoxin Analysis - GSL SOP 401 Microbial Analysis - GSL SOP 406 Water Activity - GSL SOP 407 Filth and Foreign Materials Analysis - GSL SOP 409

**Cannabinoids Test** 

SHIMADZU INTEGRATED UPLC-PDA



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mg/unit

N/D

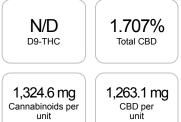
N/D

1,263.1

N/D

N/D

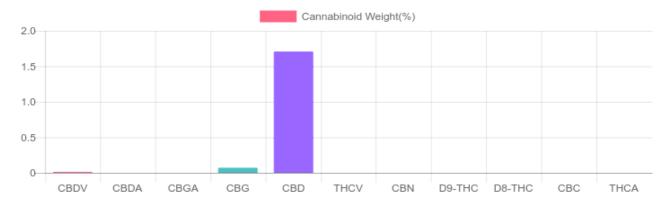
### Sample



#### 1 unit = 74 ml per unit x density (1) x Cannabinoid concentration

#### GSL SOP 400 PREPARED: 06/09/2020 15:26:07 Cannabinoids LOQ weight(%) mg/g D9-THC 10 PPM N/D THCA 10 PPM N/D CBD 10 PPM 1.707% 17.069 CBDA 20 PPM N/D С

CBDA	20 PPM	N/D	N/D	N/D
CBDV	20 PPM	0.013%	0.126	9.3
CBC	10 PPM	N/D	N/D	N/D
CBN	10 PPM	N/D	N/D	N/D
CBG	10 PPM	0.071%	0.705	52.2
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*		1.707%	17.069	1,263.1
TOTAL CANNABINOIDS		1.791%	17.900	1,324.6



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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# TERPENES: TOTAL (0.045%)

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

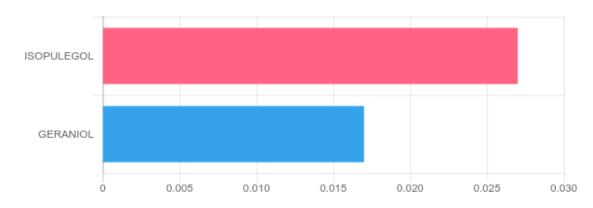
Terpene	Results (%)	LOQ (%)	LOD (%)
GERANIOL	0.017%	0.0067%	0.0063%
ISOPULEGOL	0.027%	0.0067%	0.0063%
LINALOOL	B/LOQ	0.0067%	0.0063%

GSL SOP 404 Prepared: 06/09/2020 17:10:15





### **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, CARYOPHYLLENE, HUMULENE, CIS-NEROLIDOL, TRANS-NEROLIDOL, GUAIOL, CARYOPHYLLENE OXIDE, ALPHA-BISABOLOL

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Pesticide

CYFLUTHRIN

CYPERMETHRIN

PREPARED: 06/09/2020 17:28:07



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(ppm) (ppm) (ppm)

0.003

0.003

0.001

0.001

Action Level Results LOQ LOD

N/D

N/D

(ppm)

2.000

1.000

# **PESTICIDE ANALYSIS:**

GSL SOP 401

GCMS-MS - Shimadzu GCMS-TQ8040

LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CAPTAN	0.700	N/D	0.003	0.001
CHLORDANE	0.100	N/D	0.003	0.001
CHLORFENAPYR	0.100	N/D	0.003	0.001
COUMAPHOS	0.100	N/D	0.003	0.001

LONG-WG - Shimauzu LON		_		
Pesticide	Action Level	Results	LOQ	LOD
	(ppm)	(ppm)	(ppm)	(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	E 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
FIPRONIL	0.100	N/D	0.003	0.001
FLONICAMID	0.100	N/D	0.025	0.010
FLUDIOXONIL	0.100	N/D	0.003	0.001
HEXYTHIAZOX	0.100	N/D	0.005	0.001
IMAZALIL	0.100	N/D	0.005	0.001

		0.400	N/D 0.0	00 0.001
PARATHION-METHYL		0.100	N/D 0.0	
PENTACHLORONITRO	DBENZENE	0.100	N/D 0.0	03 0.001
Pesticide	Action Leve			LOD
	(ppm)	(ppm	ı) (ppm)	(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	3.000	N/D	0.001	0.001
BUTOXIDE				
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	0.500	N/D	0.005	0.005
(PYRETHRIN I)				
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

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level

(Im)	7 <i>41</i> /
Im	[m]

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0.100

N/D



0.001

0.001

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TRIFLOXYSTROBIN



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# **RESIDUAL SOLVENTS:**

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405 Prepared: 06/17/2020 17:47:03

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
1,1-DICHLOROETHENE	8	N/D	0.63	0.63
1,2- DICHLOROETHANE	2	N/D	0.12	0.02
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
CIS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
ETHANOL	5,000	B/LOQ	140	20
ETHYL ACETATE	5,000	N/D	140	20
ETHYL ETHER	5,000	N/D	140	20
ETHYLENE OXIDE	1	N/D	0	0
ISOPROPYL ALCOHOL	5,000	N/D	140	20
METHANOL	3,000	N/D	100	20
METHYLENE CHLORIDE	125	N/D	0.15	0.15
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
TRANS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
TRICHLOROETHENE	1	N/D	1	0.5
XYLENES	150	N/D	130	20

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### **Microbial Analysis:**

Microbial Analysis GSL SOP 406

Uploaded: 06/11/2020 16:40:35

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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## **Mycotoxin Analysis:**

LC-MS - Shimadzu LCMS-8060 GSL SOP 401

Uploaded: 06/10/2020 12:50:21

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

### **Moisture Analysis:**

Shimadzu MOC63U Moisture Balance - GSL SOP 411

Uploaded: 06/11/2020 16:08:15

Moisture % 84.6%

### Filth and Foreign Materials Analysis:

Microscope - Amscope Simul-Focal Trinocular Stereo Zoom Microscope - GSL SOP 409

Uploaded: 06/11/2020 15:39:37

Pass: No Foreign Materials Detected

## Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030 GSL SOP 403

Uploaded: 06/10/2020 16:49:09

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

### Water Activity:

HD-3A Water Activity Meter - GSL SOP 407

Uploaded: 06/11/2020 16:08:15

Water 0.93

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