

Order #: 33960 Order Name: Roll-on Gel 100 Batch#: G2119 Received: 07/29/2019 Completed: 08/07/2019



Safe Harbour Wellness, LLC. 3000 Meadow Lake Drive, Ste. 105 Birmingham, Al 35242

Email; CS@safeharbourwellness.com Phone: 205.588.0928



UPLOADED: 07/30/2019 18:36:56

## Sample



N/D D9-THC 0.121% Total CBD

102.6 mg Cannabinoids per container 102.6 mg CBD per container

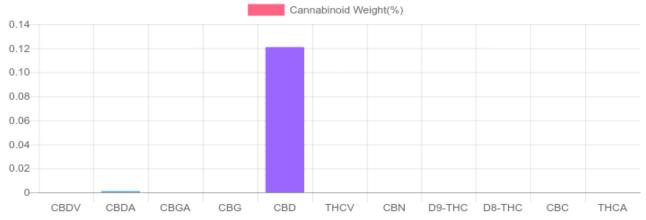
1 container = 85.05 grams per container x Cannabinoid concentration

## **Cannabinoids Test**

SHIMADZU INTEGRATED UPLC-PDA

GSL SOP 400 **PREPARED:** 07/29/2019 22:18:20

Cannabinoids	LOQ	weight(%)	mg/g	mg/container
D9-THC	10 PPM	N/D	N/D	N/D
THCA	10 PPM	N/D	N/D	N/D
CBD	10 PPM	0.121%	1.206	102.6
CBDA	20 PPM	B/LOQ	B/LOQ	B/LOQ
CBDV	20 PPM	N/D	N/D	N/D
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*		0.121%	1.206	102.6
TOTAL CANNABINOI	os	0.121%	1.206	102.6



Reporting Limit 10 ppm \*Total CBD = CBD + CBDA x 0.877

N/D - Not Detected, B/LOQ - Below Limit of Quantification



4001 SW 47th Avenue Suite 207 Davie, FL 33314 1-833-TEST-CBD info@greenscientificlabs.com



Dr. Andrew Hall, Ph.D., CSO & Lab Director



Order #: 33960 Order Name: Roll-on Gel 100 Batch#: G2119

Batch#: G2119 Received: 07/29/2019 Completed: 08/07/2019



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## **PESTICIDE ANALYSIS:**

GSL SOP 401 PREPARED: 07/29/2019 22:29:21 UPLOADED: 07/31/2019 19:17:59

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

Pesticide	Action Level	LOQ	LOD	
resticide	(ppm)	(ppm)	(ppm)	(ppm)
CYPERMETHRIN	0.500	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)	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.020	N/D	0.005	0.001	MALATHION	0.010	N/D	0.005	0.001
ACEPHATE	0.020	N/D	0.001	0.001	METALAXYL	0.010	N/D	0.001	0.001
ACEQUINOCYL	0.020	N/D	0.001	0.001	METHIOCARB	0.010	N/D	0.005	0.001
ACETAMIPRID	10.000	B/LOQ	0.005	0.001	METHOMYL	0.010	N/D	0.001	0.001
ALDICARB	0.010	N/D	0.005	0.001	MEVINPHOS	0.010	N/D	0.001	0.001
AZOXYSTROBIN	0.100	N/D	0.001	0.001	MYCLOBUTANIL	0.020	N/D	0.005	0.001
BIFENAZATE	0.010	N/D	0.005	0.001	NALED	0.010	N/D	0.005	0.001
CHLORPYRIFOS	0.020	N/D	0.001	0.001	OXAMYL	0.026	N/D	0.001	0.001
CLOFENTEZINE	0.040	N/D	0.001	0.001	PACLOBUTRAZOL	0.010	N/D	0.005	0.001
DAMINOZIDE	0.010	N/D	0.005	0.001	PERMETHRINS	0.020	N/D	0.005	0.001
DIAZANON	0.010	N/D	0.001	0.001	PHOSMET	0.020	N/D	0.005	0.001
DICHLORVOS	0.020	N/D	0.005	0.001	PIPERONYL	3.000	0.021	0.001	0.001
DIMETHOATE	0.010	N/D	0.001	0.001	BUTOXIDE	3.000	0.021	0.001	0.001
DIMETHOMORPH	0.010	N/D	0.005	0.001	PRALLETHRIN	0.020	N/D	0.005	0.005
ETHOPROPHOS	0.010	N/D	0.001	0.001	PROPICONAZOLE	0.020	N/D	0.010	0.005
ETOFENPROX	0.010	N/D	0.001	0.001	PROPOXUR	0.020	N/D	0.001	0.001
ETOXAZOLE	0.010	N/D	0.010	0.005	PYRETHRINS	0.500	N/D	0.005	0.005
FENHEXAMID	0.080	N/D	0.005	0.001	(PYRETHRIN I)	0.500	N/D	0.005	0.005
FENOXYCARB	0.010	N/D	0.005	0.001	PYRIDABEN	0.020	N/D	0.005	0.001
FENPYROXIMATE	0.100	N/D	0.001	0.001	SPINETORAM	0.040	0.004	0.001	0.001
FIPRONIL	0.010	N/D	0.003	0.001	SPINOSAD	0.020	N/D	0.001	0.001
FLONICAMID	0.100	N/D	0.025	0.010	(SPINOSYN A)	0.020	IN/D	0.001	0.001
FLUDIOXONIL	0.020	N/D	0.003	0.001	SPINOSAD	0.020	N/D	0.001	0.001
HEXYTHIAZOX	0.100	N/D	0.005	0.001	(SPINOSYN D)	0.020	IN/D	0.001	0.001
IMAZALIL	0.010	N/D	0.005	0.001	SPIROMESIFEN	0.030	N/D	0.005	0.001
IMIDACLOPRID	0.020	N/D	0.005	0.001	SPIROTETRAMAT	0.020	N/D	0.001	0.001
KRESOXIM-METHYL	0.020	N/D	0.010	0.005	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



4001 SW 47th Avenue Suite 207 Davie, FL 33314 1-833-TEST-CBD info@greenscientificlabs.com



Dr. Andrew Hall, Ph.D., CSO & Lab Director



Order #: 33960 Order Name: Roll-on Gel 100 Batch#: G2119 Received: 07/29/2019 Completed: 08/07/2019



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Phone: 205.588.0928

# **RESIDUAL SOLVENTS:**

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Uploaded: 07/30/2019 20:27:27

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	N/D	140	20
ETHYL ACETATE	5,000	N/D	140	20
ETHYL ETHER	5,000	N/D	140	20
ISOPROPYL ALCOHOL	5,000	B/LOQ	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	0	N/D	0	0
XYLENES	2,170	N/D	130	20



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Batch#: G2119 Received: 07/29/2019 Completed: 08/07/2019



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## **Mycotoxin Analysis:**

LC-MS - Shimadzu LCMS-8060 GSL SOP 401

Uploaded: 07/31/2019 19:17:59

**Microbial Analysis:** 

Analyte	Action LvI (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: 07/31/2019 01:16:09

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

Microbial Analysis GSL SOP 406

Uploaded: 08/07/2019 15:09:38

PCR - Agilent AriaMX <b>Test</b>	Test Method Used	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
PATHOGENIC E.COLI*	USP 61/62†	ARIAMX PCR	2 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
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
LISTERIA MONOCYTOGENES		ARIAMX PCR	2 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS

<sup>†</sup> 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



4001 SW 47th Avenue Suite 207 Davie, FL 33314 1-833-TEST-CBD info@greenscientificlabs.com







Order #: 34222 Order Name: CBD Isolate Batch#: 070519 Received: 08/01/2019 Completed: 08/05/2019



Safe Harbour Wellness, LLC. 3000 Meadow Lake Drive, Ste 105 Birmingham, Al, 35242 Email:CS@safeharbourwellness.com Phone: 205-588-0928



## Sample



N/D D9-THC 98.614% Total CBD

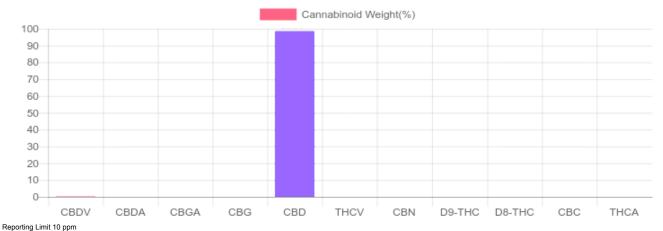
#### **Cannabinoids Test**

SHIMADZU INTEGRATED UPLC-PDA

GSL SOP 400 **PREPARED:** 08/01/2019 21:04:24

UPLOADED: 08/05/2019 17:05:02

Cannabinoids	LOQ	weight(%)	mg/g
D9-THC	10 PPM	N/D	N/D
THCA	10 PPM	N/D	N/D
CBD	10 PPM	98.614%	986.143
CBDA	20 PPM	N/D	N/D
CBDV	20 PPM	0.257%	2.575
CBC	10 PPM	N/D	N/D
CBN	10 PPM	N/D	N/D
CBG	10 PPM	N/D	N/D
CBGA	20 PPM	N/D	N/D
D8-THC	10 PPM	N/D	N/D
THCV	10 PPM	N/D	N/D
TOTAL D9-THC		N/D	N/D
TOTAL CBD*		98.614%	986.143
TOTAL CANNABINOIDS		98.871%	988.718



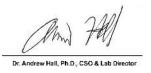
\*Total CBD = CBD + CBDA x 0.877

N/D - Not Detected, B/LOQ - Below Limit of Quantification



4001 SW 47th Avenue Suite 207 Davie, FL 33314 1-833-TEST-CBD info@greenscientificlabs.com







Order #: 34222 Order Name: CBD Isolate Batch#: 070519 Received: 08/01/2019 Completed: 08/05/2019



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# **PESTICIDE ANALYSIS:**

GSL SOP 401 PREPARED: 08/01/2019 22:28:25 UPLOADED: 08/02/2019 21:08:03

GCMS-MS - Shimadzu GCMS-TQ8040

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

Pesticide	Action Leve	LOQ	LOD	
resticide	(ppm)	(ppm)	(ppm)	(ppm)
CYFLUTHRIN	2.000	N/D	0.003	0.001
CYPERMETHRIN	1.000	N/D	0.003	0.001
PARATHION-METHYL	0.100	N/D	0.003	0.001
PENTACHLORONITROBENZEN	0.100	N/D	0.003	0.001

LCMS-MS - Shimadzu LCMS-8060

ABAMECTIN B1A	0.100 0.100	N/D				(ppm)	(ppm)	(ppm)	(ppm)
A OFFILIATE	0.100		0.005	0.001	IMAZALIL	0.100	N/D	0.005	0.001
ACEPHATE		N/D	0.001	0.001	IMIDACLOPRID	5.000	N/D	0.005	0.001
ACEQUINOCYL	0.100	N/D	0.001	0.001	KRESOXIM-METHYL	0.100	N/D	0.010	0.005
ACETAMIPRID	0.100	N/D	0.005	0.001	MALATHION	0.500	N/D	0.005	0.001
ALDICARB	0.100	N/D	0.005	0.001	METALAXYL	2.000	N/D	0.001	0.001
AZOXYSTROBIN	0.100	N/D	0.001	0.001	METHIOCARB	0.100	N/D	0.005	0.001
BIFENAZATE	0.100	N/D	0.005	0.001	METHOMYL	1.000	N/D	0.001	0.001
BIFENTHRIN	3.000	N/D	0.005	0.001	MEVINPHOS	0.100	N/D	0.001	0.001
BOSCALID	0.100	N/D	0.005	0.001	MYCLOBUTANIL	0.100	N/D	0.005	0.001
CARBARYL	0.500	N/D	0.003	0.001	NALED	0.100	N/D	0.005	0.001
CARBOFURAN	0.100	N/D	0.001	0.001	OXAMYL	0.500	N/D	0.001	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005	PACLOBUTRAZOL	0.100	N/D	0.005	0.001
CHLORPYRIFOS	0.100	N/D	0.001	0.001	PERMETHRINS	0.500	N/D	0.005	0.001
CLOFENTEZINE	0.100	N/D	0.001	0.001	PHOSMET	0.100	N/D	0.005	0.001
DAMINOZIDE	0.100	N/D	0.005	0.001	PIPERONYL	3.000	N/D	0.001	0.001
DIAZANON	0.100	N/D	0.001	0.001	BUTOXIDE	3.000	IN/D	0.001	0.001
DICHLORVOS	0.100	N/D	0.005	0.001	PRALLETHRIN	0.100	N/D	0.005	0.005
DIMETHOATE	0.100	N/D	0.001	0.001	PROPICONAZOLE	0.100	N/D	0.010	0.005
DIMETHOMORPH	2.000	N/D	0.005	0.001	PROPOXUR	0.100	N/D	0.001	0.001
ETHOPROPHOS	0.100	N/D	0.001	0.001	PYRETHRINS	0.500	N/D	0.005	0.005
ETOFENPROX	0.100	N/D	0.001	0.001	(PYRETHRIN I)	0.500	IN/D	0.005	0.005
ETOXAZOLE	0.100	N/D	0.010	0.005	PYRIDABEN	0.100	N/D	0.005	0.001
FENHEXAMID	0.100	N/D	0.005	0.001	SPINETORAM	0.100	N/D	0.001	0.001
FENOXYCARB	0.100	N/D	0.005	0.001	SPINOSAD	0.100	N/D	0.001	0.001
FENPYROXIMATE	0.100	N/D	0.001	0.001	SPIROMESIFEN	0.100	N/D	0.005	0.001
FIPRONIL	0.100	N/D	0.003	0.001	SPIROTETRAMAT	0.100	N/D	0.001	0.001
FLONICAMID	0.100	N/D	0.025	0.010	SPIROXAMINE	0.100	N/D	0.001	0.001
FLUDIOXONIL	0.100	N/D	0.003	0.001	TEBUCONAZOLE	0.100	N/D	0.005	0.001
HEXYTHIAZOX	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

 ${\sf N/D} = {\sf Not\ Detected},\ {\sf A/LOQ} = {\sf Above\ LOQ\ Level},\ {\sf B/LOQ} = {\sf Below\ LOQ\ Level},\ {\sf B/LOD} = {\sf Below\ LOD\ Level}$ 



4001 SW 47th Avenue Suite 207 Davie, FL 33314 1-833-TEST-CBD info@greenscientificlabs.com







Order #: 34222 Order Name: CBD Isolate Batch#: 070519 Received: 08/01/2019 Completed: 08/05/2019



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# **RESIDUAL SOLVENTS:**

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Prepared: 08/01/2019 23:29:10 Uploaded: 08/05/2019 16:00:34

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	N/D	140	20	
ETHYL ACETATE	5,000	N/D	140	20	
ETHYL ETHER	5,000	N/D	140	20	
SOPROPYL 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	B/LOQ	140	20	
PROPANE	5,000	N/D	20	1	
TOLUENE	890	N/D	53	1	
TRICHLOROETHENE	0	N/D	0	0	
KYLENES	2,170	N/D	130	20	



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#### **Mycotoxin Analysis:**

LC-MS - Shimadzu LCMS-8060 GSL SOP 401

Uploaded: 08/02/2019 18:00:18

Analyte	Action LvI (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: 08/02/2019 19:57:29

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

Microbial Analysis GSL SOP 406

Uploaded: 08/03/2019 18:54:19

# Microbial Analysis: PCR - Agilent AriaMX Test

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

 $<sup>\</sup>dagger$  USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)

#### Water Activity:

HD-3A Water Activity Meter - GSL SOP 407

Uploaded: 08/01/2019 20:49:13

Water

0.72

# Filth and Foreign Materials Analysis:

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

**Uploaded:** 08/05/2019 17:07:03

Pass: No Foreign Materials Detected



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Or, Andrew Hall, Ph.D., CSO & Lab Director

<sup>\*</sup> STEC and Salmonella run as Multiplex

<sup>\*\*</sup> CFU/g Calculation based on Select Category Type Gummy MIP/Extract Flower matrix

<sup>\*\*\*</sup> Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA