

Order #: 56999 Order Name: CBD AF – Energy Batch#: P061420 Received: 06/30/2020 Completed: 07/09/2020



Sample



N/D D9-THC 4.669% Total CBD

33.9 mg Cannabinoids per softgel

22.2 mg CBD per softgel

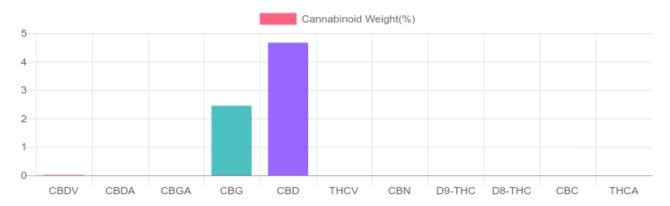
1 softgel = 0.475 grams per softgel x Cannabinoid concentration

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA

GSL SOP 400 PREPARED: 06/30/2020 16:52:26

Cannabinoids	LOQ	weight(%)	mg/g	mg/softgel
D9-THC	10 PPM	N/D	N/D	N/D
THCA	10 PPM	N/D	N/D	N/D
CBD	10 PPM	4.669%	46.687	22.2
CBDA	20 PPM	N/D	N/D	N/D
CBDV	20 PPM	0.018%	0.182	0.1
CBC	10 PPM	N/D	N/D	N/D
CBN	10 PPM	N/D	N/D	N/D
CBG	10 PPM	2.451%	24.512	11.6
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*		4.669%	46.687	22.2
TOTAL CANNABINOIDS		7.138%	71.381	33.9



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

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

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

Ben Witten, MS, MT., Lab Director

Green Scientific Labs 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.



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PESTICIDE ANALYSIS:

GSL SOP 401 **PREPARED:** 07/01/2020 17:01:56

GCMS-MS - Shimadzu GCMS-TQ8040

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CAPTAN	3.000	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 Level	Results	LOQ	LOD
resticide	(ppm)	(ppm)	(ppm)	(ppm)
CYFLUTHRIN	1.000	N/D	0.003	0.001
CYPERMETHRIN	1.000	N/D	0.003	0.001
PENTACHLORONITROBENZENE	0.200	N/D	0.003	0.001

LCMS-MS - Shimadzu LCMS-8060

ACEPHATE 3.000 N/D 0.001 0.001 KRESOXIM-METHYL 1.000 N/D 0.010 0.005 0.001 ACEQUINOCYL 2.000 N/D 0.001 0.001 0.001 MALATHION 2.000 N/D 0.005 0.001 ACECQUINOCYL 2.000 N/D 0.005 0.001 METHALAXYL 3.000 N/D 0.005 0.001 ALDICARB 0.100 N/D 0.005 0.001 METHALAXYL 3.000 N/D 0.005 0.001 ALDICARB 0.100 N/D 0.005 0.001 METHALAXYL 3.000 N/D 0.005 0.001 ALDICARB 0.100 N/D 0.005 0.001 METHALAXYL 0.100 N/D 0.005 0.001 ALDICARB 0.100 N/D 0.005 0.001 METHOMYL 0.100 N/D 0.001 0.001 0.001 BIFENZATE 3.000 N/D 0.005 0.001 METHOMYL 0.100 N/D 0.001 0.001 0.001 BIFENZATE 3.000 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.005 0.001 0.	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ACEQUINOCYL 2.000 N/D 0.001 0.001 MALATHION 2.000 N/D 0.005 0.001 0.001 ACETAMIPRID 3.000 N/D 0.005 0.001 METALAXYL 3.000 N/D 0.005 0.001 ACETAMIPRID 3.000 N/D 0.005 0.001 METHICARB 0.100 N/D 0.005 0.001 AZDXYSTROBIN 3.000 N/D 0.005 0.001 METHICARB 0.100 N/D 0.001 0.001 AZDXYSTROBIN 3.000 N/D 0.005 0.001 METHICARB 0.100 N/D 0.001 0.001 0.001 METHICARB 0.100 N/D 0.005 0.001 METHICARB 0.100 N/D 0.001 0.001 0.001 METHICARB 0.100 N/D 0.001 0.001 0.001 METHICARB 0.100 N/D 0.001 0.001 0.001 0.001 METHICARD 0.100 N/D 0.001	ABAMECTIN B1A	0.300	N/D	0.005	0.001	IMIDACLOPRID	3.000	N/D	0.005	0.001
ACETAMIPRID ALDICARB 0.100 N/D 0.005 0.001 METHICARB 0.100 N/D 0.001 0.001 DIVID 0.001 D	ACEPHATE	3.000	N/D	0.001	0.001	KRESOXIM-METHYL	1.000	N/D	0.010	0.005
ALDICARB 0.100	ACEQUINOCYL	2.000	N/D	0.001	0.001	MALATHION	2.000	N/D	0.005	0.001
AZOXYSTROBIN 3.000	ACETAMIPRID	3.000	N/D	0.005	0.001	METALAXYL	3.000	N/D	0.001	0.001
BIFENAZATE 3.000	ALDICARB	0.100	N/D	0.005	0.001	METHIOCARB	0.100	N/D	0.005	0.001
BIFENTHRIN 0.500	AZOXYSTROBIN	3.000	N/D	0.001	0.001	METHOMYL	0.100	N/D	0.001	0.001
BOSCALID 3.000	BIFENAZATE	3.000	N/D	0.005	0.001	MEVINPHOS	0.100	N/D	0.001	0.001
CARBARYL 0.500 N/D 0.003 0.001 OXAMYL 0.500 N/D 0.001 0.001 0.001 CARBAGFURAN 0.100 N/D 0.005 0.001 0.001 0.001 PACLOBUTRAZOL 0.100 N/D 0.005 0.001 0.001 0.001 0.001 PACLOBUTRAZOL 0.100 N/D 0.005 0.001 0.	BIFENTHRIN	0.500	N/D	0.005	0.001	MYCLOBUTANIL	3.000	N/D	0.005	0.001
CARBOFURAN 0.100 N/D 0.001 0.001 PACLOBUTRAZOL 0.100 N/D 0.005 0.001 CHLORANTRANILIPROLE 3.000 N/D 0.005 0.005 PERMETHRINS 1.000 N/D 0.005 0.001 CHLORMEQUAT 3.000 N/D 0.025 0.025 PHOSMET 0.200 N/D 0.005 0.001 CHLORPYRIFOS 0.100 N/D 0.001 0.001 BUTOXIDE 3.000 N/D 0.005 0.001 CLOFENTEZINE 0.500 N/D 0.001 0.001 PRALLETHRIN 0.400 N/D 0.005 0.005 0.005 DAMINOZIDE 0.100 N/D 0.005 0.001 PROPLONAZOLE 1.000 N/D 0.001 0.001 0.001 DIAZINON 0.200 N/D 0.001 0.001 PROPLOVAZOLE 1.000 N/D 0.001 0.001 0.001 DIAZINON 0.200 N/D 0.005 0.001 PROPLOVAZOLE 1.000 N/D 0.001 0.	BOSCALID	3.000	N/D	0.005	0.001	NALED	0.500	N/D	0.005	0.001
CHLORANTRANILIPROLE 3.000 N/D 0.005 0.005 0.005 PERMETHRINS 1.000 N/D 0.005 0.001	CARBARYL	0.500	N/D	0.003	0.001	OXAMYL	0.500	N/D	0.001	0.001
CHLORMEQUAT	CARBOFURAN	0.100	N/D	0.001	0.001	PACLOBUTRAZOL	0.100	N/D	0.005	0.001
CHLORIDE	CHLORANTRANILIPROLE	3.000	N/D	0.005	0.005	PERMETHRINS	1.000	N/D	0.005	0.001
CHLORIDE CHLORPYRIFOS 0.100 N/D 0.001 0.001 BUTOXIDE CHLORPYRIFOS 0.500 N/D 0.001 0.001 BUTOXIDE DAMINOZIDE 0.500 N/D 0.001 0.001 PRALLETHRIN 0.400 N/D 0.005 0.005 DAMINOZIDE 0.100 N/D 0.005 0.001 PROPICONAZOLE 1.000 N/D 0.010 0.005 DIAZINON 0.200 N/D 0.001 0.001 PROPOXUR 0.100 N/D 0.001 0.001 DICHLORVOS 0.100 N/D 0.005 0.001 PYRETHRINS DIMETHOATE 0.100 N/D 0.001 0.001 (PYRETHRINI)) DIMETHOMORPH 3.000 N/D 0.005 0.001 PYRIDABEN 3.000 N/D 0.005 0.001 ETOPENPROX 0.100 N/D 0.001 0.001 SPINOSAD 3.000 N/D 0.001 0.001 ETOFENPROX 0.100 N/D 0.001 0.001 SPINOSAD 3.000 N/D 0.001 ETOXAZOLE 1.500 N/D 0.010 0.005 (SPINOSYN A) FENHEXAMID 3.000 N/D 0.005 0.001 SPINOSAD 3.000 N/D 0.001 FENOXYCARB 0.100 N/D 0.005 0.001 SPINOSAD 3.000 N/D 0.001 FENOXYCARB 0.100 N/D 0.005 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FENOXYCARB 0.100 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FENOXYCARB 0.100 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FENOXYCARB 0.100 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FENOXYCARB 0.100 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FENOXYCARB 0.100 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FENOXYCARB 0.100 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FENOXYCARB 0.100 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FENOXYCARB 0.100 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FELONICAMID 0.000 N/D 0.003 0.001 TEBUCONAZOLE 1.000 N/D 0.001 0.001 FLUDICXONIL 3.000 N/D 0.005 0.001 TEBUCONAZOLE 1.000 N/D 0.005 0.001 HEXYTHIAZOX 0.000 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001	CHLORMEQUAT	0.000	NVD	0.005	0.005	PHOSMET	0.200	N/D	0.005	0.001
CHLORPYRIFOS 0.100 N/D 0.001 0.001 BUTOXIDE CLOFENTEZINE 0.500 N/D 0.001 0.001 PRALLETHRIN 0.400 N/D 0.005 0.005 DAMINOZIDE 0.100 N/D 0.005 0.001 PROPICONAZOLE 1.000 N/D 0.010 0.005 DIAZINON 0.200 N/D 0.001 0.001 PROPOXUR 0.100 N/D 0.001 0.001 DICHLORVOS 0.100 N/D 0.005 0.001 PYRETHRINS DIMETHOATE 0.100 N/D 0.005 0.001 PYRETHRINS) DIMETHOMORPH 3.000 N/D 0.005 0.001 PYRIDABEN 3.000 N/D 0.005 0.001 ETHOPROPHOS 0.100 N/D 0.001 0.001 SPINETORAM 3.000 N/D 0.001 0.001 ETOFENPROX 0.100 N/D 0.001 0.001 SPINOSAD ETOXAZOLE 1.500 N/D 0.010 0.005 (SPINOSYN A) FENHEXAMID 3.000 N/D 0.005 0.001 SPINOSAD FENOXYCARB 0.100 N/D 0.005 0.001 (SPINOSYN D) FENPROXIMATE 2.000 N/D 0.005 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FIPRONIL 0.100 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FILODICAMID 2.000 N/D 0.003 0.001 SPIROSADBIROMESIFEN 3.000 N/D 0.005 0.001 FILODICAMID 2.000 N/D 0.003 0.001 SPIROSEND 3.000 N/D 0.005 0.001 FLONICAMID 3.000 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FLONICAMID 3.000 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FLODICAMID 3.000 N/D 0.003 0.001 TEBUCONAZOLE 1.000 N/D 0.001 0.001 FLUDIOXONIL 3.000 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.005 0.001 IMAZALIL 0.100 N/D 0.005 0.001 THIAMETHOXAM 1.000 N/D 0.001 0.001	CHLORIDE	3.000	N/D	0.025	0.025	PIPERONYL	0.000	N/D	0.004	0.004
DAMINOZIDE 0.100 N/D 0.005 0.001 PROPICONAZOLE 1.000 N/D 0.010 0.005 DIAZINON 0.200 N/D 0.001 0.001 PROPOXUR 0.100 N/D 0.001 0.001 DIMETHORYOS 0.100 N/D 0.005 0.001 PYRETHRINS 1.000 N/D 0.005 0.005 DIMETHOATE 0.100 N/D 0.005 0.001 PYRETHRINS 1.000 N/D 0.005 0.005 DIMETHOMORPH 3.000 N/D 0.005 0.001 PYRIDABEN 3.000 N/D 0.005 0.001 ETOPENOPHOS 0.100 N/D 0.001 0.001 SPINOSAD 3.000 N/D 0.001 0.001 ETOXAZOLE 1.500 N/D 0.005 0.001 SPINOSAD 3.000 N/D 0.001 0.001 FENHEXAMID 3.000 N/D 0.005 0.001 SPINOSAD 3.000 N/D 0.001 0.001	CHLORPYRIFOS	0.100	N/D	0.001	0.001	BUTOXIDE	3.000	N/D	0.001	0.001
DIAZINON 0.200 N/D 0.001 0.001 PROPOXUR 0.100 N/D 0.001 0.	CLOFENTEZINE	0.500	N/D	0.001	0.001	PRALLETHRIN	0.400	N/D	0.005	0.005
DICHLORVOS 0.100 N/D 0.005 0.001 PYRETHRINS 1.000 N/D 0.005 0.005 0.005 0.005	DAMINOZIDE	0.100	N/D	0.005	0.001	PROPICONAZOLE	1.000	N/D	0.010	0.005
DIMETHOATE 0.100	DIAZINON	0.200	N/D	0.001	0.001	PROPOXUR	0.100	N/D	0.001	0.001
DIMETHOATE 0.100	DICHLORVOS	0.100	N/D	0.005	0.001	PYRETHRINS	4.000	N/D	0.005	0.005
ETHOPROPHOS 0.100 N/D 0.001 0.001 SPINETORAM 3.000 N/D 0.001 0.001 ETOFENPROX 0.100 N/D 0.001 0.001 SPINOSAD 3.000 N/D 0.001 0.001 ETOXAZOLE 1.500 N/D 0.010 0.005 (SPINOSYN A) 3.000 N/D 0.001 SPINOSAD 3.000 N/D 0.001 SPINOSAD 3.000 N/D 0.001 SPINOSYN D) 0.001 9.001 0.001 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 0.001 SPIROMESIFEN 3.000 N/D 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.	DIMETHOATE	0.100	N/D	0.001	0.001	(PYRETHRIN I)	1.000	IN/D	0.005	0.005
ETOFENPROX 0.100 N/D 0.001 0.001 SPINOSAD 3.000 N/D 0.001	DIMETHOMORPH	3.000	N/D	0.005	0.001	PYRIDABEN	3.000	N/D	0.005	0.001
ETOXAZOLE 1.500 N/D 0.010 0.005 (SPINOSYN A) 3.000 N/D 0.001 0.001 FENHEXAMID 3.000 N/D 0.005 0.001 SPINOSAD 3.000 N/D 0.001 0.001 FENOXYCARB 0.100 N/D 0.005 0.001 (SPINOSYN D) 3.000 N/D 0.001 0.001 FENPYROXIMATE 2.000 N/D 0.003 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FIPRONIL 0.100 N/D 0.025 0.010 SPIROXAMINE 0.100 N/D 0.001 0.001 FLUDIOXONIL 3.000 N/D 0.003 0.001 TEBUCONAZOLE 1.000 N/D 0.005 0.001 HEXYTHIAZOX 2.000 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 IMAZALIL 0.100 N/D 0.005 0.001 THIAMETHOXAM 1.000 N/D 0.001 0.001	ETHOPROPHOS	0.100	N/D	0.001	0.001	SPINETORAM	3.000	N/D	0.001	0.001
FENHEXAMID 3.000 N/D 0.005 0.001 SPINOSAD 3.000 N/D 0.001 0.00	ETOFENPROX	0.100	N/D	0.001	0.001	SPINOSAD	0.000	N/D	0.004	0.004
FENOXYCARB 0.100 N/D 0.005 0.001 (SPINOSYN D) 3.000 N/D 0.001 0.001 FENPYROXIMATE 2.000 N/D 0.001 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FIPRONIL 0.100 N/D 0.003 0.001 SPIROTETRAMAT 3.000 N/D 0.001 0.001 FLONICAMID 2.000 N/D 0.025 0.010 SPIROXAMINE 0.100 N/D 0.001 0.001 FLUDIOXONIL 3.000 N/D 0.003 0.001 TEBUCONAZOLE 1.000 N/D 0.005 0.001 HEXYTHIAZOX 2.000 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 IMAZALIL 0.100 N/D 0.005 0.001	ETOXAZOLE	1.500	N/D	0.010	0.005	(SPINOSYN A)	3.000	N/D	0.001	0.001
FENOXYCARB 0.100 N/D 0.005 0.001 (SPINOSYN D) FENPYROXIMATE 2.000 N/D 0.001 0.001 SPIROMESIFEN 3.000 N/D 0.005 0.001 FIPRONIL 0.100 N/D 0.003 0.001 SPIROTETRAMAT 3.000 N/D 0.001 0.001 FLONICAMID 2.000 N/D 0.025 0.010 SPIROXAMINE 0.100 N/D 0.001 0.001 FLUDIOXONIL 3.000 N/D 0.003 0.001 TEBUCONAZOLE 1.000 N/D 0.005 0.001 HEXYTHIAZOX 2.000 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 IMAZALIL 0.100 N/D 0.005 0.001 THIAMETHOXAM 1.000 N/D 0.001 0.001	FENHEXAMID	3.000	N/D	0.005	0.001	SPINOSAD	0.000	N/D	0.004	0.004
FIPRONIL 0.100 N/D 0.003 0.001 SPIROTETRAMAT 3.000 N/D 0.001 0.001 FLONICAMID 2.000 N/D 0.025 0.010 SPIROXAMINE 0.100 N/D 0.001 0.001 FLUDIOXONIL 3.000 N/D 0.003 0.001 TEBUCONAZOLE 1.000 N/D 0.005 0.001 HEXYTHIAZOX 2.000 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 IMAZALIL 0.100 N/D 0.005 0.001 THIAMETHOXAM 1.000 N/D 0.001 0.001	FENOXYCARB	0.100	N/D	0.005	0.001	(SPINOSYN D)	3.000	N/D	0.001	0.001
FLONICAMID 2.000 N/D 0.025 0.010 SPIROXAMINE 0.100 N/D 0.001 0.001 FLUDIOXONIL 3.000 N/D 0.003 0.001 TEBUCONAZOLE 1.000 N/D 0.005 0.001 HEXYTHIAZOX 2.000 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 IMAZALIL 0.100 N/D 0.005 0.001 THIAMETHOXAM 1.000 N/D 0.001 0.001	FENPYROXIMATE	2.000	N/D	0.001	0.001	SPIROMESIFEN	3.000	N/D	0.005	0.001
FLUDIOXONIL 3.000 N/D 0.003 0.001 TEBUCONAZOLE 1.000 N/D 0.005 0.001 HEXYTHIAZOX 2.000 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 IMAZALIL 0.100 N/D 0.005 0.001 THIAMETHOXAM 1.000 N/D 0.001 0.001	FIPRONIL	0.100	N/D	0.003	0.001	SPIROTETRAMAT	3.000	N/D	0.001	0.001
HEXYTHIAZOX 2.000 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 IMAZALIL 0.100 N/D 0.005 0.001 THIAMETHOXAM 1.000 N/D 0.001 0.001	FLONICAMID	2.000	N/D	0.025	0.010	SPIROXAMINE	0.100	N/D	0.001	0.001
IMAZALIL 0.100 N/D 0.005 0.001 THIAMETHOXAM 1.000 N/D 0.001 0.001	FLUDIOXONIL	3.000	N/D	0.003	0.001	TEBUCONAZOLE	1.000	N/D	0.005	0.001
	HEXYTHIAZOX	2.000	N/D	0.005	0.001	THIACLOPRID	0.100	N/D	0.001	0.001
TRIFLOXYSTROBIN 3.000 N/D 0.001 0.001	IMAZALIL	0.100	N/D	0.005	0.001	THIAMETHOXAM	1.000	N/D	0.001	0.001
						TRIFLOXYSTROBIN	3.000	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

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

Ben Witten, MS, MT., Lab Director

Green Scientific Labs 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.



Order #: 56999 Order Name: CBD AF – Energy Batch#: P061420 Received: 06/30/2020 Completed: 07/09/2020



RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Prepared: 06/30/2020 16:49:48

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	N/D	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



Ben Witten, MS, MT., Lab Director

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Order #: 56999 Order Name: CBD AF – Energy Batch#: P061420 Received: 06/30/2020 Completed: 07/09/2020



Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 07/08/2020 18:51:53

PCR - Agilent AriaMX Test	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	PASS
TATTOGENIC E.COEI	IC E.COLI USF 01/02 ARIAI	ANAMATON	ANAMAT CIT 2 COLLEGISTED DIVA	TRESENCE / ABSENT	LOD	1 700
STEC E.COLI*	USP 61/62†	ARIAMX PCR	2 COPIES OF DNA	PRESENCE / ABSENT	BELOW	PASS
STEC E.COLI	USP 61/62T	ARIAWA PCR	2 COPIES OF DINA	PRESENCE / ABSENT	LOD	PASS
CALMONELL A*	LIOD 04/00±	ADIAMY DOD	5 CODIEC OF DAIA	DDEOENIOE / ADOENIT	BELOW	D4.00
SALMONELLA*	USP 61/62†	ARIAMX PCR	5 COPIES OF DNA	PRESENCE / ABSENT	LOD	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

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Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-8060 GSL SOP 401

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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

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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

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