

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 94808
 Order Name: Energy Blend
 Softgels
 Batch#: 204002
 Received: 05/12/2022
 Completed: 05/16/2022



Sample



N/D
Total D9-THC

3.879%
Total CBD

32.0 mg
Cannabinoids per unit

21.1 mg
CBD per unit

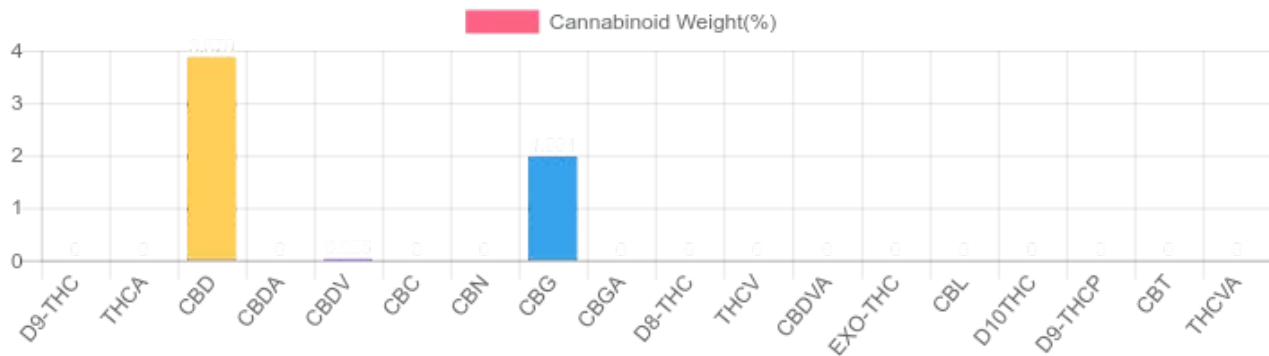
1 unit = 0.544 grams per unit x Cannabinoid concentration

Cannabinoids Test

HPLC-DAD
 GSL SOP 400

UPLOADED: 05/13/2022 11:49:00

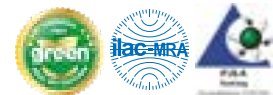
Cannabinoids	LOQ(mg/g)	LOD(mg/g)	weight(%)	mg/g	mg/unit
D9-THC	0.1954	0.0645	N/D	N/D	N/D
THCA	0.1954	0.0645	N/D	N/D	N/D
CBD	0.1954	0.0645	3.879%	38.792	21.103
CBDA	0.1954	0.0645	N/D	N/D	N/D
CBDV	0.1954	0.0645	0.025%	0.252	0.137
CBC	0.1954	0.0645	N/D	N/D	N/D
CBN	0.1954	0.0645	N/D	N/D	N/D
CBG	0.1954	0.0645	1.981%	19.807	10.775
CBGA	0.1954	0.0645	N/D	N/D	N/D
D8-THC	0.1954	0.0645	N/D	N/D	N/D
THCV	0.1954	0.0645	N/D	N/D	N/D
CBDVA	0.1954	0.0645	N/D	N/D	N/D
EXO-THC	0.1954	0.0645	N/D	N/D	N/D
CBL	0.1954	0.0645	N/D	N/D	N/D
D10THC	0.1954	0.0645	N/D	N/D	N/D
D9-THCP	0.1954	0.0645	N/D	N/D	N/D
CBT	0.1954	0.0645	N/D	N/D	N/D
THCVA	0.1954	0.0645	N/D	N/D	N/D
TOTAL D9-THC			N/D	N/D	N/D
TOTAL CBD*			3.879%	38.792	21.1
TOTAL CANNABINOIDS			5.885%	58.851	32.0



*Total CBD = CBD + CBDA x 0.877
 N/D - Not Detected, B/LOQ - Below Limit of Quantification

Diana Asensio, M.S.,
 Lab Director

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PESTICIDE ANALYSIS:

GSL SOP 401

UPLOADED: 05/16/2022 10:22:52

LC-MS/MS

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.005	IMAZALIL	0.100	N/D	0.005	0.001
ACEPHATE	0.100	N/D	0.005	0.001	IMIDACLOPRID	5.000	N/D	0.005	0.001
ACEQUINOCYL	0.100	N/D	0.005	0.005	KRESOXIM-METHYL	0.100	N/D	0.005	0.005
ACETAMIPRID	0.100	N/D	0.005	0.005	MALATHION	0.500	N/D	0.005	0.001
ALDICARB	0.100	N/D	0.005	0.005	METALAXYL	2.000	N/D	0.005	0.001
AZOXYSTROBIN	0.100	N/D	0.005	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	0.005	0.001
BIFENTHRIN	3.000	N/D	0.005	0.005	MEVINPHOS	0.100	N/D	0.005	0.001
BOSCALID	0.100	N/D	0.005	0.005	MYCLOBUTANIL	0.100	N/D	0.005	0.005
CARBARYL	0.500	N/D	0.005	0.001	NALED	0.100	N/D	0.005	0.001
CARBOFURAN	0.100	N/D	0.005	0.001	OXAMYL	0.500	N/D	0.005	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005	PACLOBUTRAZOL	0.100	N/D	0.005	0.005
CHLORPYRIFOS	0.100	N/D	0.005	0.005	PERMETHRINS	0.500	0.044	0.005	0.005
CLOFENTEZINE	0.100	N/D	0.005	0.005	PHOSMET	0.100	N/D	0.005	0.001
DAMINOZIDE	0.100	N/D	0.005	0.001	PIPERONYL	3.000	N/D	0.005	0.005
DIAZINON	0.100	N/D	0.005	0.005	BUTOXIDE	3.000	N/D	0.005	0.005
DICHLORVOS	0.100	N/D	0.005	0.001	PRALLETHRIN	0.100	N/D	0.005	0.005
DIMETHOATE	0.100	N/D	0.005	0.001	PROPICONAZOLE	0.100	N/D	0.010	0.005
DIMETHOMORPH	2.000	N/D	0.005	0.001	PROPOXUR	0.100	0.006	0.005	0.001
ETHOPROPHOS	0.100	N/D	0.005	0.001	PYRETHRINS	0.500	N/D	0.005	0.005
ETOFENPROX	0.100	N/D	0.005	0.005	PYRIDABEN	0.100	N/D	0.005	0.005
ETOXAZOLE	0.100	N/D	0.050	0.005	SPINETORAM	0.100	N/D	0.005	0.005
FENHEXAMID	0.100	N/D	0.005	0.001	SPINOSAD	0.100	N/D	0.005	0.005
FENOXYCARB	0.100	N/D	0.005	0.005	SPIROMESIFEN	0.100	N/D	0.005	0.001
FENPYROXIMATE	0.100	N/D	0.005	0.005	SPIROTETRAMAT	0.100	N/D	0.005	0.005
FIPRONIL	0.100	N/D	0.005	0.005	SPIROXAMINE	0.100	N/D	0.005	0.001
FLONICAMID	0.100	N/D	0.025	0.005	TEBUCONAZOLE	0.100	N/D	0.005	0.001
FLUDIOXONIL	0.100	N/D	0.005	0.005	THIACLOPRID	0.100	N/D	0.005	0.001
HEXYTHIAZOX	0.100	N/D	0.005	0.005	THIAMETHOXAM	5.000	N/D	0.005	0.001
					TRIFLOXYSTROBIN	0.100	N/D	0.005	0.005

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

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RESIDUAL SOLVENTS:

HS-GC-MS

GSL SOP 405

Uploaded: 05/16/2022 09:58:58

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
1,1-DICHLOROETHENE	8	N/D	0.63	0.6
1,2- DICHLOROETHANE	2	N/D	0.12	0.012
1,2-DICHLOROETHENE	5	N/D	0.73	0.09
ACETONE	5,000	B/LOQ	140	9
ACETONITRILE	410	N/D	25	0.72
BENZENE	1	N/D	1	0.6
BUTANE	5,000	N/D	50	48
CHLOROFORM	1	N/D	1	0.5
ETHANOL	5,000	B/LOQ	140	12
ETHYL ACETATE	5,000	N/D	140	2.4
ETHYL ETHER	5,000	N/D	140	6
ETHYLENE OXIDE	1	N/D	2	0.6
ISOPROPYL ALCOHOL	5,000	B/LOQ	140	3
METHANOL	3,000	B/LOQ	100	6
METHYLENE CHLORIDE	125	N/D	1.5	1.5
N-HEPTANE	5,000	N/D	140	6
N-HEXANE	290	N/D	18	0.06
PENTANE	5,000	N/D	140	9
PROPANE	5,000	N/D	30	30
TOLUENE	890	N/D	53	0.9
TRICHLOROETHENE	1	N/D	1	0.3
XYLENES	150	N/D	130	1.8

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Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 05/14/2022 20:09:45

MICROBIAL ANALYSIS:

Test	SOP	Test Method	Device Used	Allowable Criteria	Actual Result
STEC E. COLI*	406	REAL-TIME PCR	ARIAMX PCR	< 1 CFU/G	NOT DETECTED
SALMONELLA*	406	REAL-TIME PCR	ARIAMX PCR	< 1 CFU/G	NOT DETECTED
LISTERIA MONOCYTOGENES	406	QPCR	ARIAMX PCR	NOT APPLICABLE	NOT DETECTED
PATHOGENIC E. COLI	406	QPCR	ARIAMX PCR	NOT APPLICABLE	NOT DETECTED

† 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 MIP/Extract matrix

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Mycotoxin Analysis:

LC-MS/MS
 GSL SOP 401

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Analyte	LOQ (ppb)	LOD (ppb)	Action Lvl (ppb)	Results (ppb)
AFLATOXIN B1	1	1	20	N/D
AFLATOXIN B2	1	1	20	N/D
AFLATOXIN G1	1	1	20	N/D
AFLATOXIN G2	1	1	20	N/D
OCHRATOXIN A	1	1	20	N/D

Heavy Metals Analysis:

ICP-MS
 GSL SOP 403

Uploaded: 05/13/2022 16:39:09

Metal	LOQ (ppb)	LOD (ppb)	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	75	20	200	N/D
CADMIUM (CD)	75	20	200	N/D
MERCURY (HG)	75	20	100	N/D
LEAD (PB)	75	20	500	N/D

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