

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 37927
 Order Name: 500mg CBD Oil
 Batch#: Lot 20550
 Received: 10/09/2019
 Completed: 10/14/2019

ReThink CBD
 11231 NW 20th Street Unit 140-195
 Miami Florida, 33172
 (888) 746-8223



Sample



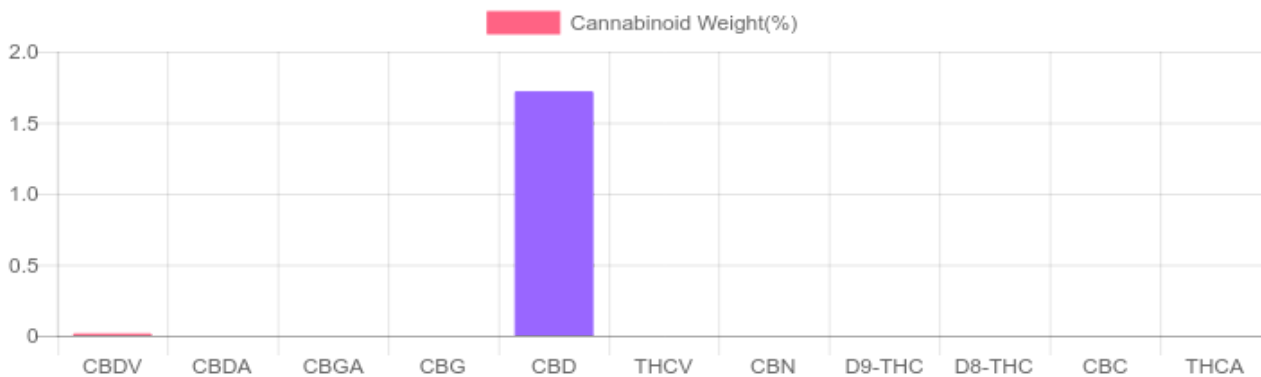
<p>N/D D9-THC</p>	<p>1.720% Total CBD</p>
<p>520.8 mg Cannabinoids per unit</p>	<p>516.0 mg CBD per unit</p>

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA
 GSL SOP 400 **PREPARED:** 10/10/2019 20:54:40 **UPLOADED:** 10/11/2019 13:58:30

Cannabinoids	LOQ	weight(%)	mg/g	mg/unit
D9-THC	10 PPM	N/D	N/D	N/D
THCA	10 PPM	N/D	N/D	N/D
CBD	10 PPM	1.720%	17.201	516.0
CBDA	20 PPM	N/D	N/D	N/D
CBDV	20 PPM	0.016%	0.160	4.8
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*		1.720%	17.201	516.0
TOTAL CANNABINOIDS		1.736%	17.361	520.8

1 unit = 30 ml per unit x density (1) x
 Cannabinoid concentration



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

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PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 10/10/2019 20:35:24

UPLOADED: 10/11/2019 22:17:21

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	N/D	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	N/D	0.001	0.001
DIMETHOATE	0.010	N/D	0.001	0.001	BUTOXIDE				
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				
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	N/D	0.001	0.001
FIPRONIL	0.010	N/D	0.003	0.001	SPINOSAD				
FLONICAMID	0.100	N/D	0.025	0.010	(SPINOSYN A)	0.020	N/D	0.001	0.001
FLUDIOXONIL	0.020	N/D	0.003	0.001	SPINOSAD				
HEXYTHIAZOX	0.100	N/D	0.005	0.001	(SPINOSYN D)	0.020	N/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



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RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405
 Prepared: 10/10/2019 18:53:39
 Uploaded: 10/12/2019 00:23:55

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	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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Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 10/14/2019 17:24:17

Test	Test Method Used	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
PCR - Agilent AriaMX						
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

† 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

Uploaded: 10/11/2019 22:17:21

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

Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 10/11/2019 21:43:33

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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