

CERTIFICATE OF ANALYSIS



Order #: 32811
 Order Name: FULL SPECTRUM SLEEP ARB (FP)
 Batch#: 44481
 Received: 06/27/2019
 Completed: 07/02/2019

Arise Bioscience Inc.
 4855 Technology Way Suite 500
 Boca Raton Florida, 33431
 (866) 407-1164



Sample



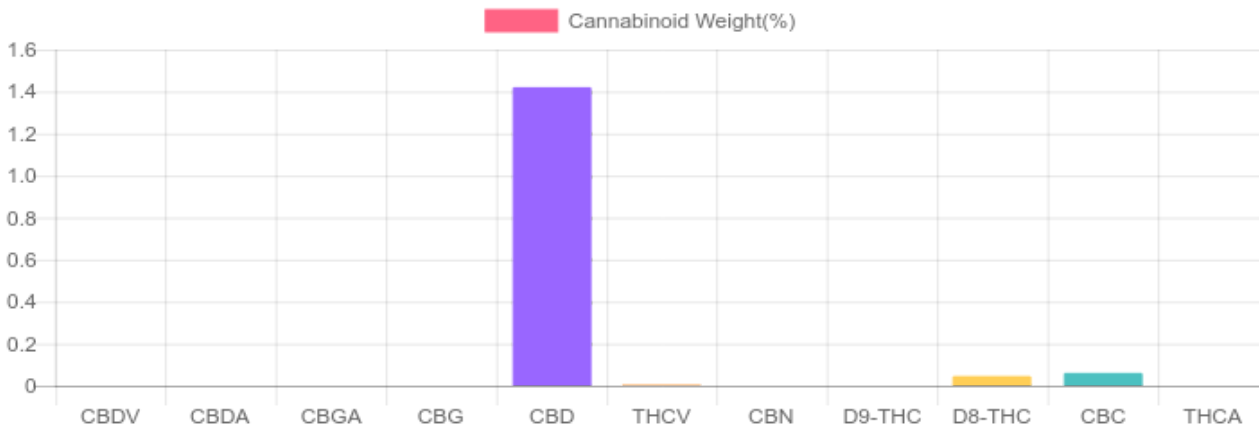
N/D
D9-THC

1.421%
Total CBD

Cannabinoids Test

GSL SOP 400 PREPARED: 06/27/2019 20:18:54 UPLOADED: 06/28/2019 12:02:27

cannabinoids		weight(%)	mg/g
DELTA-9-TETRAHYDROCANNABINOL	D9-THC	N/D	N/D
TETRAHYDROCANNABINOLIC ACID	THCA	N/D	N/D
CANNABIDIOL	CBD	1.421%	14.215
CANNABIDIOLIC ACID	CBDA	N/D	N/D
CANNABIDIVARIN	CBDV	N/D	N/D
CANNABICHRMENE	CBC	0.061%	0.607
CANNABINOL	CBN	N/D	N/D
CANNABIGEROL	CBG	N/D	N/D
CANNABIGEROLIC ACID	CBGA	N/D	N/D
DELTA-8-TETRAHYDROCANNABINOL	D8-THC	0.046%	0.463
TETRAHYDROCANNABIVARIN	THCV	0.004%	0.043
TOTAL D9-THC		N/D	N/D
TOTAL CBD*		1.421%	14.215
TOTAL CANNABINOIDS		1.532%	15.328



Reporting Limit 10 ppm
 *Total CBD = CBD + CBDA x 0.877
 N/D - Not Detected, B/LOQ - Below Limit of Quantification

Notes

13.02 mg cannabinoids per capsule



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



Dylan Swart, Lab Director

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.

CERTIFICATE OF ANALYSIS



Order #: 32811
Order Name: FULL
SPECTRUM SLEEP ARB (FP)
Batch#: 44481
Received: 06/27/2019
Completed: 07/02/2019

Arise Bioscience Inc.
4855 Technology Way Suite 500
Boca Raton Florida, 33431
(866) 407-1164



PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 06/27/2019 20:21:59

UPLOADED: 06/28/2019 20:03:53

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



Dylan Swart, Lab Director

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.

CERTIFICATE OF ANALYSIS



Order #: 32811
Order Name: FULL
SPECTRUM SLEEP ARB (FP)
Batch#: 44481
Received: 06/27/2019
Completed: 07/02/2019

Arise Bioscience Inc.
4855 Technology Way Suite 500
Boca Raton Florida, 33431
(866) 407-1164



RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Uploaded: 07/01/2019 17:17:39

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	0	N/D	0	0
XYLENES	2,170	N/D	130	20



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



Dylan Swart, Lab Director

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.

CERTIFICATE OF ANALYSIS



Order #: 32811
Order Name: FULL
SPECTRUM SLEEP ARB (FP)
Batch#: 44481
Received: 06/27/2019
Completed: 07/02/2019

Arise Bioscience Inc.
4855 Technology Way Suite 500
Boca Raton Florida, 33431
(866) 407-1164



Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-8060
GSL SOP 401

Uploaded: 06/28/2019 20:03:53

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

Microbial Analysis:

PCR - Agilent AriaMX

Test	Test Method Used	Device Used	LOD	Allowable Amount	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

† 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

*** Flavis = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

Water Activity:

HD-3A Water Activity Meter - GSL SOP 407

Uploaded: 06/27/2019 21:47:31

Water

0.70

Filth and Foreign Materials Analysis:

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

Uploaded: 06/27/2019 21:56:15

No foreign materials detected.

Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 06/28/2019 20:08:10

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: 06/30/2019 16:02:08



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



Dylan Swart, Lab Director

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.