

CERTIFICATE OF ANALYSIS



Order #: 32731
 Order Name: Stress Capsules
 ARB 12.5mg
 Batch#: 44480
 Received: 06/25/2019
 Completed: 07/01/2019

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



Sample



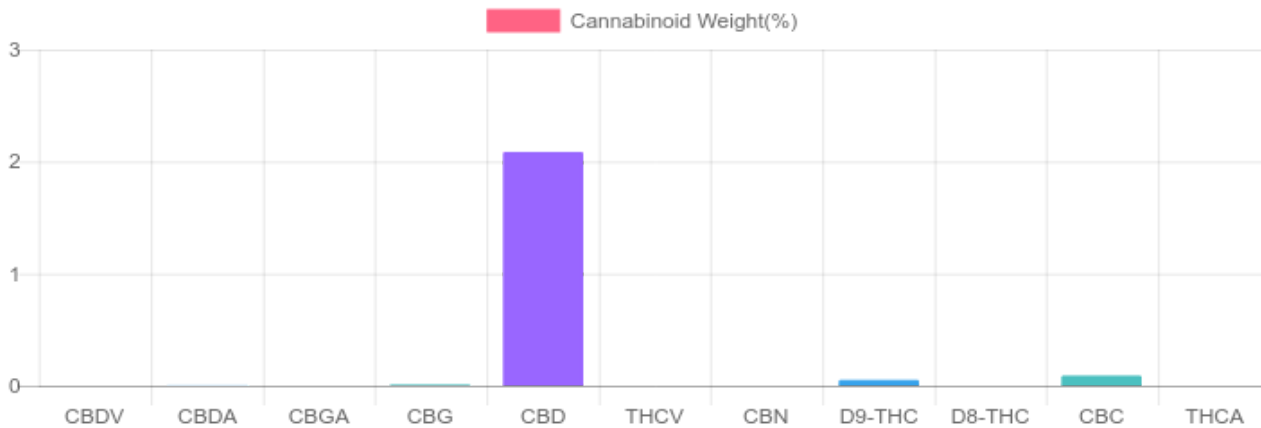
0.052%
D9-THC

2.089%
Total CBD

Cannabinoids Test

GSL SOP 400 PREPARED: 06/26/2019 19:52:46 UPLOADED: 06/27/2019 14:48:04

cannabinoids		weight(%)	mg/g
DELTA-9-TETRAHYDROCANNABINOL	D9-THC	0.052%	0.520
TETRAHYDROCANNABINOLIC ACID	THCA	N/D	N/D
CANNABIDIOL	CBD	2.086%	20.862
CANNABIDIOLIC ACID	CBDA	0.003%	0.035
CANNABIDIVARIN	CBDV	N/D	N/D
CANNABICHROMENE	CBC	0.090%	0.902
CANNABINOL	CBN	N/D	N/D
CANNABIGEROL	CBG	0.010%	0.101
CANNABIGEROLIC ACID	CBGA	N/D	N/D
DELTA-8-TETRAHYDROCANNABINOL	D8-THC	N/D	N/D
TETRAHYDROCANNABIVARIN	THCV	N/D	N/D
TOTAL D9-THC		0.052%	0.520
TOTAL CBD*		2.089%	20.893
TOTAL CANNABINOIDS		2.241%	22.420



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

Notes

16.9mg cannabinoids per capsule



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Dylan Swart, Lab Director

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PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 06/25/2019 22:50:14

UPLOADED: 06/26/2019 21:10:11

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	0.021	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



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RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Prepared: 06/25/2019 23:26:22


Uploaded: 06/28/2019 15:42:17

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



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Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-8060
GSL SOP 401

Uploaded: 06/26/2019 22:59:28

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: 06/28/2019 17:27:25

Water

0.48

Filth and Foreign Materials Analysis:

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

Uploaded: 06/27/2019 21:58:28

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 15:58:48



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