



Sunmed
 Order #: 84954
 Retail Batch #:
 1800mg CBN BS
 Blackberry Tincture
 (122023BCBN)

CERTIFICATE OF ANALYSIS
 ISO/IEC: 17025:2017 Accreditation #:
 103104
 License #: CMTL-0004

Order Information

Order #: 84954
 Order Name: 1800mg CBN BS Blackberry
 Tincture (122023BCBN)
 Retail Batch #: 1800mg CBN BS Blackberry
 Tincture (122023BCBN)
 Received: 01/09/2024 16:29:39
 Complete: 01/12/2024 14:31:29

Batch Information

Create Date: Total Qty.: 0
 Exp. Date: Matrix: Tincture
 Size: 0 Pickup Weight: N/A

CANNABINOID PROFILE TESTED	LABEL CLAIM NOT APPLICABLE	MICROBIAL ANALYSIS PASS
RESIDUAL SOLVENTS PASS	AGRICULTURAL AGENTS PASS	HEAVY METAL ANALYSIS PASS
TERPENES TOTAL TESTED	MOISTURE ANALYSIS NOT TESTED	WATER ACTIVITY TESTED
FILTH & FOREIGN MATERIAL ANALYSIS PASS	HOMOGENEITY NOT TESTED	MYCOTOXIN ANALYSIS PASS



0.0000 %
Total THC

4.4177 %
Total CBD

7.0258 %
Total Cannabinoids

Diana Asensio, M.S.

Lab Director



ACT Laboratories Florida
 4001 SW 47th Avenue, Suite 208
 Davie, FL 33314
 (954) 514-9343



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Order #: 84954
Retail Batch #: 1800mg CBN BS
Blackberry Tincture (122023BCBN)

Sample Prep

Tech: 3396
SOP: 418
Batch Number: 62118
Batch Date: 01/11/2024 15:19:57

Sample Analysis

Date/Time: 01/12/2024 10:51:42
Tech: 3396
SOP: 417
Final Weight: 0.2026 g
Volume: 40 ml

CANNABINOID PROFILE

HPLC-DAD

ND Total THC	ND THC Per Unit	ND THC Per Pkg
4.4177 % Total CBD	41.747 mg CBD Per Unit	1252.418 mg CBD Per Pkg
7.0258 % Total Cannabinoids	66.393 mg Cannabinoids Per Unit	1991.815 mg Cannabinoids Per Pkg

Cannabinoid Potency

ANALYTE	LOD/LOQ (mg/g)	DIL.	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE	LABEL CLAIM (mg)	% LABEL VAR.
CBC	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBD	0.064/0.1954	1	4.4177	44.177	41.747	1252.418	--	--
CBDA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBDV	0.064/0.1954	1	0.0999	0.999	0.944	28.322	--	--
CBG	0.064/0.1954	1	0.5436	5.436	5.137	154.111	--	--
CBGA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBN	0.064/0.1954	1	1.9646	19.646	18.565	556.964	--	--
d8-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--
d9-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--
THCA	0.064/0.1954	1	ND	ND	ND	ND	--	--
THCV	0.064/0.1954	1	ND	ND	ND	ND	--	--

mg/unit = 1 (g) per unit x 0.945 (g/ml) x cannabinoid concentration (mg/g)
Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA)
ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation

CANNABINOID TOTALS	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE
Total THC	ND	ND	ND	ND
Total CBD	4.4177	44.177	41.747	1252.418
Total Cannabinoids	7.0258	70.258	66.393	1991.815

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Agricultural Agents

GC-MS/MS

PASS

Sample Prep

Tech: 2816
 SOP: 402
 Batch Number: 62091
 Batch Date: 01/08/2024 12:33:24

Sample Analysis

Date/Time: 01/11/2024 09:51:54
 Tech: 2816
 SOP: 402
 Final Weight: 0.5435 g
 Volume: 10 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL (ppm)	RESULTS (ppm)
Captan	0.07/0.1	1	3	ND
Chlordane	0.01/0.1	1	0.1	ND
Chlorfenapyr	0.01/0.1	1	0.1	ND
Coumaphos	0.01/0.1	1	0.1	ND
Cyfluthrin	0.01/0.1	1	1	ND
Cypermethrin	0.01/0.1	1	1	ND
Methyl parathion	0.01/0.1	1	0.1	ND
Pentachloronitrobenzene	0.01/0.1	1	0.2	ND

MYCOTOXIN ANALYSIS

LC-MS/MS

PASS

Sample Prep

Tech: 3445
 SOP: 432
 Batch Number: 62092
 Batch Date: 01/08/2024 12:34:17

Sample Analysis

Date/Time: 01/11/2024 11:59:17
 Tech: 3445
 SOP: 424
 Final Weight: 0.1026 g
 Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LEVEL (ppb)	RESULTS (ppb)
Aflatoxin B1	2/10	1	20	ND
Aflatoxin B2	2/10	1	20	ND
Aflatoxin G1	2/10	1	20	ND
Aflatoxin G2	2/5	1	20	ND
Ochratoxin A	2/10	1	20	ND

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Agricultural Agents

LC-MS/MS

PASS

Sample Prep

Tech: 3445
 SOP: 432
 Batch Number: 62092
 Batch Date: 01/08/2024 12:34:17

Sample Analysis

Date/Time: 01/11/2024 11:59:17
 Tech: 3445
 SOP: 424
 Final Weight: 0.1026 g
 Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL(ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT(ppm)	RESULTS (ppm)
Abamectin B1a	0.002/0.035	1	0.3	ND	Imazalil	0.002/0.01	1	0.1	ND
Acephate	0.002/0.04	1	3	ND	Imidacloprid	0.002/0.002	1	3	ND
Acequinocyl	0.002/0.002	1	2	ND	Kresoxim-methyl	0.002/0.002	1	1	ND
Acetamiprid	0.002/0.002	1	3	ND	Malathion	0.01/0.04	1	2	ND
Aldicarb	0.002/0.01	1	0.1	ND	Metalaxyl	0.002/0.004	1	3	ND
Azoxystrobin	0.002/0.04	1	3	ND	Methiocarb	0.002/0.01	1	0.1	ND
Bifenazate	0.002/0.002	1	3	ND	Methomyl	0.002/0.002	1	0.1	ND
Bifenthrin	0.002/0.002	1	0.5	ND	Mevinphos	0.009/0.036	1	0.1	ND
Boscalid	0.01/0.05	1	3	ND	Myclobutanil	0.002/0.04	1	3	ND
Carbaryl	0.002/0.004	1	0.5	ND	Naled	0.002/0.01	1	0.5	ND
Carbofuran	0.002/0.01	1	0.1	ND	Oxamyl	0.002/0.002	1	0.5	ND
Chlorantraniliprole	0.002/0.01	1	3	ND	Paclobutrazol	0.002/0.004	1	0.1	ND
Chlormequat chloride	0.002/0.004	1	3	ND	Permethrins	0.002/0.01	1	1	ND
Chlorpyrifos	0.002/0.01	1	0.1	ND	Phosmet	0.002/0.002	1	0.2	ND
Clofentezine	0.002/0.002	1	0.5	ND	Piperonyl Butoxide	0.002/0.002	1	3	ND
Daminozide	0.01/0.04	1	0.1	ND	Prallethrin	0.002/0.01	1	0.4	ND
Diazinon	0.002/0.01	1	0.2	ND	Propiconazole	0.002/0.04	1	1	ND
Dichlorvos	0.002/0.04	1	0.1	ND	Propoxur	0.002/0.01	1	0.1	ND
Dimethoate	0.002/0.002	1	0.1	ND	Pyrethrins	0.001/0.013	1	1	ND
Dimethomorph	0.001/0.002	1	3	ND	Pyridaben	0.002/0.002	1	3	ND
Ethoprophos	0.002/0.01	1	0.1	ND	Spinetoram	0.001/0.003	1	3	ND
Etofenprox	0.002/0.002	1	0.1	ND	Spinosad	0.001/0.001	1	3	ND
Etoxazole	0.002/0.002	1	1.5	ND	Spiromesifen	0.002/0.002	1	3	ND
Fenhexamid	0.01/0.04	1	3	ND	Spirotetramat	0.002/0.01	1	3	ND
Fenoxycarb	0.002/0.004	1	0.1	ND	Spiroxamine	0.002/0.04	1	0.1	ND
Fenpyroximate	0.002/0.002	1	2	ND	Tebuconazole	0.01/0.04	1	1	ND
Fipronil	0.002/0.004	1	0.1	ND	Thiacloprid	0.002/0.002	1	0.1	ND
Fonicamid	0.002/0.01	1	2	ND	Thiamethoxam	0.002/0.01	1	1	ND
Fludioxonil	0.002/0.004	1	3	ND	Trifloxystrobin	0.002/0.002	1	3	ND
Hexythiazox	0.002/0.004	1	2	ND					

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TERPENES TOTAL
 GC-FID
TESTED (0.265 %)

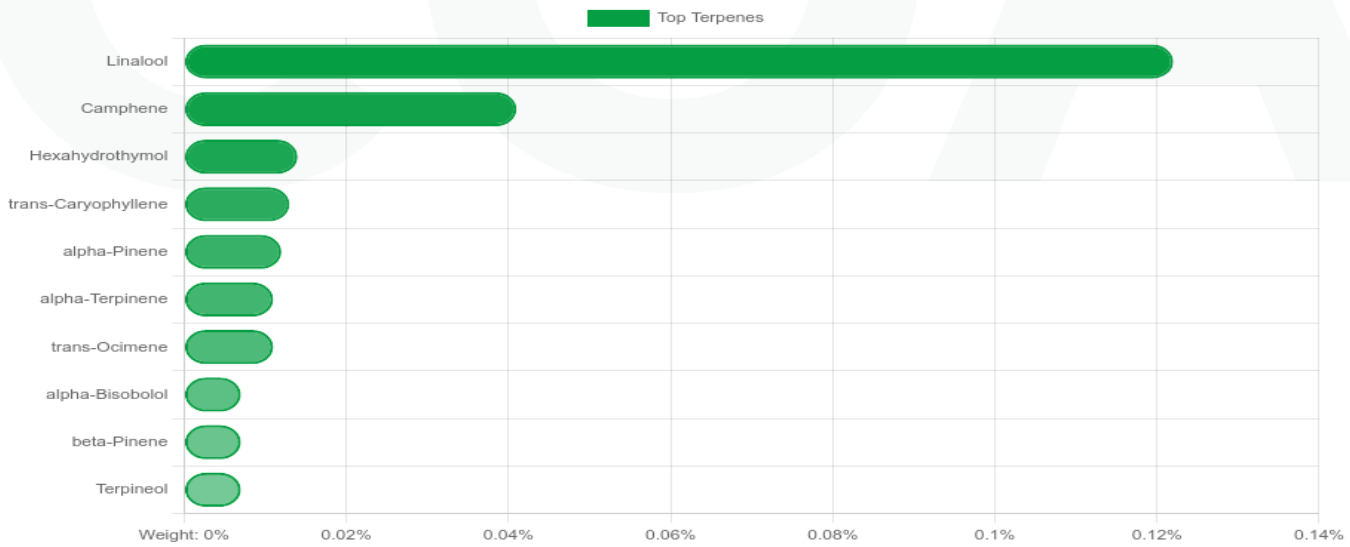
Sample Prep

Tech: 2816
 SOP: 421
 Batch Number: 62087
 Batch Date: 01/05/2024 14:46:05

Sample Analysis

Date/Time: 01/11/2024 10:16:12
 Tech: 2816
 SOP: 419
 Final Weight: 0.404 g
 Volume: 10 ml

TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)	TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)
3-Carene	0.001/0.003	1	ND	Geraniol	0.001/0.003	1	0.003
alpha-Bisobolol	0.001/0.003	1	0.007	Geranyl acetate	0.001/0.003	1	<LOQ
alpha-Cedrene	0.001/0.003	1	ND	Guaiol	0.001/0.003	1	<LOQ
alpha-Humulene	0.001/0.003	1	ND	Hexahydrothymol	0.001/0.003	1	0.014
alpha-Pinene	0.001/0.003	1	0.012	Isoborneol	0.001/0.003	1	ND
alpha-Terpinene	0.001/0.003	1	0.011	Isopulegol	0.001/0.003	1	ND
beta-Myrcene	0.001/0.003	1	0.004	Limonene	0.001/0.003	1	0.005
beta-Pinene	0.001/0.003	1	0.007	Linalool	0.001/0.003	1	0.122
Borneol	0.001/0.003	1	0.005	Nerol	0.001/0.003	1	ND
Camphene	0.001/0.003	1	0.041	p-Mentha-1,5-diene	0.001/0.003	1	ND
Camphor	0.001/0.003	1	<LOQ	Pulegone	0.001/0.003	1	ND
Caryophyllene oxide	0.001/0.003	1	ND	Sabinene hydrate	0.001/0.003	1	ND
Cedrol	0.001/0.003	1	ND	Terpineol	0.001/0.003	1	0.007
cis-Nerolidol	0.001/0.003	1	ND	Terpinolene	0.001/0.003	1	ND
cis-Ocimene	0.001/0.003	1	ND	trans-Caryophyllene	0.001/0.003	1	0.013
Eucalyptol	0.001/0.003	1	0.003	trans-Nerolidol	0.001/0.003	1	ND
Fenchone	0.001/0.003	1	ND	trans-Ocimene	0.001/0.003	1	0.011
Fenchyl alcohol	0.001/0.003	1	ND	Valencene	0.001/0.003	1	ND
gamma-Terpinene	0.001/0.003	1	ND				



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RESIDUAL SOLVENTS

HS-GC-MS

PASS

Sample Prep

Tech: 2816
 SOP: 405
 Batch Number: 62103
 Batch Date: 01/10/2024 08:41:24

Sample Analysis

Date/Time: 01/11/2024 15:59:36
 Tech: 2816
 SOP: 405
 Final Weight: 0.0504 g
 Volume: 1 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)
1,1-Dichloroethene	0.6/0.63	1	8	ND	Heptane	6/140	1	5000	ND
1,2-Dichloroethane	0.012/0.12	1	2	ND	Hexanes	0.06/18	1	250	ND
Acetone	9/140	1	750	ND	Isopropyl alcohol	3/140	1	500	<LOQ
Acetonitrile	0.72/25	1	60	<LOQ	Methanol	6/100	1	250	<LOQ
Benzene	0.06/1	1	1	ND	Methylene chloride	1.5/1.5	1	125	ND
Butane	48/50	1	5000	ND	Pentane	9/140	1	750	ND
Chloroform	0.2/1	1	2	ND	Propane	30/30	1	5000	ND
Ethanol	12/140	1	5000	<LOQ	Toluene	0.9/53	1	150	ND
Ethyl acetate	2.4/140	1	400	ND	Total xylenes	1.8/130	1	150	ND
Ethyl ether	6/140	1	500	ND	Trichloroethylene	0.3/1	1	25	ND
Ethylene oxide	0.6/2	1	5	ND					

HEAVY METAL ANALYSIS

ICP-MS

PASS

Sample Prep

Tech: 3396
 SOP: 428
 Batch Number: 62104
 Batch Date: 01/10/2024 09:59:40

Sample Analysis

Date/Time: 01/10/2024 14:38:24
 Tech: 3396
 SOP: 428
 Final Weight: 0.2166 g
 Volume: 60 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LIMIT (ppb)	RESULTS (ppb)
Arsenic	20/75	1	1500	ND
Cadmium	20/75	1	500	ND
Lead	20/75	1	500	ND
Mercury	20/75	1	3000	ND

FILTH & FOREIGN MATERIAL ANALYSIS

Result: **PASS**

Sample Prep and Analysis

Date/Time: 01/10/2024 16:51:33
 Tech: 4090
 SOP: 409
 Final Weight: 42.6622 g

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MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 4302
 SOP: 406

Batch Number: 62098
 Batch Date: 01/09/2024 16:11:13

Sample Analysis

Date/Time: 01/10/2024 16:54:48
 Tech: 4302
 SOP: 406

Final Weight: 1.0169 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total yeast and mold	qPCR	NA	NOT DETECTED	PASS

Sample Prep

Tech: 4302
 SOP: 406

Batch Number: 62099
 Batch Date: 01/09/2024 16:11:49

Sample Analysis

Date/Time: 01/11/2024 16:31:38
 Tech: 4302
 SOP: 406

Final Weight: 1.0088 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Pathogenic e. coli	qPCR	< 1 CFU/g	NOT DETECTED	PASS

Sample Prep

Tech: 4302
 SOP: 406

Batch Number: 62099
 Batch Date: 01/09/2024 16:11:49

Sample Analysis

Date/Time: 01/11/2024 16:31:38
 Tech: 4302
 SOP: 406

Final Weight: 1.0088 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Salmonella	qPCR	< 1 CFU/g	NOT DETECTED	PASS
STEC e. coli	qPCR	< 1 CFU/g	NOT DETECTED	PASS

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MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 4302
 SOP: 406

Batch Number: 62099
 Batch Date: 01/09/2024 16:11:49

Sample Analysis

Date/Time: 01/11/2024 16:31:38
 Tech: 4302
 SOP: 406

Final Weight: 1.0088 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Aspergillus flavus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus fumigatus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus niger	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus terreus	qPCR	< 1 CFU/g	NOT DETECTED	PASS

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WATER ACTIVITY

Water Activity Meter
Water: 0.523 Aw

Sample Prep and Analysis

Date/Time: 01/10/2024 16:53:43
Tech: 4090
SOP: 407
Final Weight: 1.0260 g



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