

Black Mountain Botanicals - Horse

**FARM BILL
COMPLIANT**


SAMPLE ID
189599

SAMPLE NAME
Black Mountain Botanicals - Horse

MATRIX
Tincture

COLLECTED, RECEIVED
05/20/2020 11:57, 05/20/2020 11:57

SERVING SIZE, SERVINGS PER PACKAGE
1, 1

DENSITY
0.9400 g/ml

MANUFACTURER INFO
Dream Life Essentials

**TOTAL
CBD**

50.54
MG PER SERVING

**TOTAL
D9-THC**

ND
MG PER SERVING

**TOTAL
CANNABINOIDS**

66.35
MG PER SERVING

**TOTAL
TERPENES**

0.28 %
PERCENTAGE

Chemical Residue

No Analytes Detected



Chemical Residue GC

No Analytes Detected



Microbial qPCR

No Analytes Detected



Heavy Metals

Lead: <LL0Q



Mycotoxins

No Analytes Detected



Indicates that the hemp product passes
some of the strictest testing standards available
for cannabis and hemp.



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SAMPLE ID: 189599 | REPORT ID: COA-00068306
Exp: 07/08/2021 | ISO/IEC 17025:2005 Accredited | #93948



CANNABINOID ANALYSIS

TOTAL THC: ND
 TOTAL CBD: 50.54 mg per serving (50.54 mg/mL) (5.377 %), 50.54 mg per package
 TOTAL CANNABINOIDS: 66.35 mg per serving (66.35 mg/mL) (7.058 %)

UNIT OF MEASUREMENT: Milligrams per Milliliter(mg/mL)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
THCa	ND	0.0200	0.0400	CBDv	0.2123 mg/mL (0.0226 %)	0.0200	0.0400
D9THC	ND	0.0200	0.0400	CBGa	ND	0.0200	0.0400
D8THC	ND	0.0200	0.0400	CBG	15.59 mg/mL (1.659 %)	0.0200	0.0400
THCv	ND	0.0200	0.0400	CBN	ND	0.0200	0.0400
CBDa	ND	0.0200	0.0400	CBC	ND	0.0200	0.0400
CBD	50.54 mg/mL (5.377 %)	0.0200	0.0400				

ADDITIONAL INFORMATION

Method: SOP-TECH-001
 Instrument: UPLC-DAD

Sample Prepped 05/21/2020 12:53
 Sample Analyzed 05/21/2020 13:46

Sample Approved 05/22/2020 10:14



TERPENE ANALYSIS

UNIT OF MEASUREMENT: Milligrams per Milliliter(mg/mL)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
3-Carene	ND	0.0100	0.0200	Alpha bisabolol	ND	0.0100	0.0200
Alpha cedrene	ND	0.0100	0.0200	Alpha humulene	0.1598 mg/mL (0.0170 %)	0.0100	0.0200
Alpha pinene	0.1133 mg/mL (0.0121 %)	0.0100	0.0200	Alpha terpinene	ND	0.0100	0.0200
Alpha terpineol	ND	0.0100	0.0200	Beta caryophyllene	0.2757 mg/mL (0.0293 %)	0.0100	0.0200
Beta myrcene	0.2272 mg/mL (0.0242 %)	0.0100	0.0200	Beta pinene	0.1448 mg/mL (0.0154 %)	0.0100	0.0200
Borneol	ND	0.0100	0.0200	Camphene	ND	0.0100	0.0200
Camphor	ND	0.0100	0.0200	Caryophyllene oxide	ND	0.0100	0.0200
Cedrol	ND	0.0100	0.0200	Cis nerolidol	ND	0.0100	0.0200
Eucalyptol	0.3109 mg/mL (0.0331 %)	0.0100	0.0200	Fenchol	ND	0.0100	0.0200
Fenchone	ND	0.0100	0.0200	Gamma terpinene	ND	0.0100	0.0200
Gamma terpineol	ND	0.0100	0.0200	Geranyl acetate	ND	0.0100	0.0200
Guaial	ND	0.0100	0.0200	Isoborneol	ND	0.0100	0.0200
Isopulegol	ND	0.0100	0.0200	Limonene	0.1760 mg/mL (0.0187 %)	0.0100	0.0200
Linalool	ND	0.0100	0.0200	Menthol	1.063 mg/mL (0.1130 %)	0.0100	0.0200
Ocimene 1	ND	0.0100	0.0200	Ocimene 2	ND	0.0100	0.0200
P-cymene	ND	0.0100	0.0200	P-mentha-1,5-diene	ND	0.0100	0.0200
Pulegone	0.1247 mg/mL (0.0133 %)	0.0100	0.0200	Sabinene	0.1022 mg/mL (0.0109 %)	0.0100	0.0200
Sabinene hydrate	ND	0.0100	0.0200	Terpinolene	ND	0.0100	0.0200
Trans geraniol	ND	0.0100	0.0200	Trans nerolidol	ND	0.0100	0.0200
Valencene	ND	0.0100	0.0200				



ADDITIONAL INFORMATION

Method: SOP-TECH-027
Instrument: GC-MS-FID

Sample Prepped 05/21/2020 16:31
Sample Analyzed 05/21/2020 19:06

Sample Approved 05/22/2020 16:50

CHEMICAL RESIDUE ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Abamectin	ND	0.0200	0.0400	0.3000	Acephate	ND	0.0200	0.0400	5.000
Acequinocyl	ND	0.0200	0.0400	4.000	Acetamiprid	ND	0.0200	0.0400	5.000
Aldicarb	ND	0.0200	0.0400	0.0	Azoxystrobin	ND	0.0200	0.0400	40.00
Bifenazate	ND	0.0200	0.0400	5.000	Bifenthrin	ND	0.0200	0.0400	0.5000
Boscalid	ND	0.0200	0.0400	10.00	Carbaryl	ND	0.0200	0.0400	0.5000
Carbofuran	ND	0.0200	0.0400	0.0	Chlorantraniliprole	ND	0.0200	0.0400	40.00
Chlorfenapyr	ND	0.0400	0.1000	0.0	Chlorpyrifos	ND	0.0200	0.0400	0.0
Clofentezine	ND	0.0200	0.0400	0.5000	Coumaphos	ND	0.0200	0.0400	0.0
Cyfluthrin	ND	0.4000	1.000	1.000	Cypermethrin	ND	0.4000	1.000	1.000
Daminozide	ND	0.0200	0.0400	0.0	Diazinon	ND	0.0200	0.0400	0.2000
Dichlorvos	ND	0.0200	0.0400	0.0	Dimethoate	ND	0.0200	0.0400	0.0
Dimethomorph	ND	0.0200	0.0400	20.00	Ethoprophos	ND	0.0200	0.0400	0.0
Etofenprox	ND	0.0200	0.0400	0.0	Etoxazole	ND	0.0200	0.0400	1.500
Fenhexamid	ND	0.0200	0.0400	10.00	Fenoxycarb	ND	0.0200	0.0400	0.0
Fenpyroximate	ND	0.0200	0.0400	2.000	Fipronil	ND	0.0400	0.1000	0.0
Flonicamid	ND	0.0200	0.0400	2.000	Fludioxonil	ND	0.0200	0.0400	30.00
Hexythiazox	ND	0.0200	0.0400	2.000	Imazalil	ND	0.0200	0.0400	0.0
Imidacloprid	ND	0.0200	0.0400	3.000	Kresoxim methyl	ND	0.0200	0.0400	1.000
Malathion	ND	0.0200	0.0400	5.000	Metalaxyl	ND	0.0200	0.0400	15.00
Methiocarb	ND	0.0200	0.0400	0.0	Methomyl	ND	0.0200	0.0400	0.1000
Mevinphos	ND	0.0200	0.0400	0.0	Myclobutanil	ND	0.0200	0.0400	9.000
Naled	ND	0.0200	0.0400	0.5000	Oxamyl	ND	0.0200	0.0400	0.2000
Paclobutrazol	ND	0.0200	0.0400	0.0	Permethrins	ND	0.0400	0.1000	20.00
Phosmet	ND	0.0200	0.0400	0.2000	Piperonyl butoxide	ND	0.0200	0.0400	8.000
Prallethrin	ND	0.0200	0.0400	0.4000	Propiconazole	ND	0.0200	0.0400	20.00
Propoxur	ND	0.0200	0.0400	0.0	Pyrethrins	ND	0.0200	0.0400	1.000
Pyridaben	ND	0.0200	0.0400	3.000	Spinetoram	ND	0.0200	0.0400	3.000
Spinosad	ND	0.0300	0.0700	3.000	Spiromesifen	ND	0.0200	0.0400	12.00
Spirotetramat	ND	0.0200	0.0400	13.00	Spiroxamine	ND	0.0200	0.0400	0.0
Tebuconazole	ND	0.0200	0.0400	2.000	Thiacloprid	ND	0.0200	0.0400	0.0
Thiamethoxam	ND	0.0200	0.0400	4.500	Trifloxystrobin	ND	0.0200	0.0400	30.00

ADDITIONAL INFORMATION

Method: SOP-TECH-002
Instrument: LC-MS/MS

Sample Prepped 05/21/2020 12:38
Sample Analyzed 05/21/2020 12:40

Sample Approved 05/22/2020 14:20



CHEMICAL RESIDUE GC ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Captan	ND	0.1000	0.2000	5.000	Chlordane	ND	0.0400	0.1000	0.0
Methyl parathion	ND	0.0400	0.1000	0.0	PCNB	ND	0.0200	0.0400	0.2000

ADDITIONAL INFORMATION

Method: SOP-TECH-010
Instrument: GC-MS/MS

Sample Prepped 05/21/2020 12:38
Sample Analyzed 05/21/2020 12:40

Sample Approved 05/22/2020 11:16

MICROBIAL qPCR ANALYSIS

UNIT OF MEASUREMENT: Cycle Threshold (Ct)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
A.fumigatus	ND	33.00	0.0	0.0	A. flavus	ND	33.00	0.0	0.0
A. niger	ND	33.00	0.0	0.0	A. terreus	ND	33.00	0.0	0.0
STEC	ND	33.00	0.0	0.0	Salmonella spp	ND	33.00	0.0	0.0

ADDITIONAL INFORMATION

Method: SOP-TECH-016, SOP-TECH-022
Instrument: qPCR

Sample Prepped 05/21/2020 06:09
Sample Analyzed 05/21/2020 06:21

Sample Approved 05/21/2020 13:48

HEAVY METALS ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Arsenic	ND	0.0200	0.0500	1.500	Cadmium	ND	0.0050	0.0500	0.5000
Lead	<LLOQ	0.0100	0.0500	0.5000	Mercury	ND	0.0030	0.0500	3.000

ADDITIONAL INFORMATION

Method: SOP-TECH-013
Instrument: ICP-MS

Sample Prepped 05/21/2020 13:45
Sample Analyzed 05/22/2020 07:06

Sample Approved 05/22/2020 10:59



 MYCOTOXINS ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Kilogram(ug/kg)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Aflatoxin B1	ND	1.000	2.000		Aflatoxin B2	ND	2.000	5.000	
Aflatoxin G1	ND	2.000	5.000		Aflatoxin G2	ND	2.000	5.000	
Total Aflatoxins	ND	10.00	14.00	20.00	Ochratoxin A	ND	1.000	2.000	20.00

ADDITIONAL INFORMATION

Method: SOP-TECH-020
Instrument: LC-MS/MSSample Prepped 05/21/2020 11:24
Sample Analyzed 05/21/2020 11:25

Sample Approved 05/22/2020 14:22

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of these conditions renders the report and its results void.

All LQC samples required by state regulations were performed and met the acceptance criteria.

THIS COA WAS REVIEWED AND APPROVED ON 07/08/2020, BY THE FOLLOWING:

Cody Sheppard, PhD
Co-Scientific DirectorKathryn Riker
Quality Control Manager