Cannalysis

Hemp Product Testing

250mg 10ml - Mint

FARM BILL COMPLIANT

SAMPLE ID
149298

SAMPLE NAME
250mg 10ml - Mint

MATRIX
Tincture

BATCH ID
JP082719T7

COLLECTED
11/08/2019 11:33

RECEIVED
11/08/2019 11:33

SERVING SIZE
1ml

SERVINGS PER PACKAGE
10

DENSITY
0.9400 g/ml

INDIVIDUAL INFO
AMMA Healing Co.
n/a
n/a, CA TBD
License: n/a

TOTAL CBD	23.78 MG PER SERVING
TOTAL THC	ND MG PER SERVING
TOTAL CANNABINOIDS	24.20 MG PER SERVING
TOTAL TERPENES	0.15 % PERCENTAGE

Chemical Residue
No Analytes Detected

Chemical Residue GC
No Analytes Detected

Microbial qPCR
No Analytes Detected

Heavy Metals
Lead: 0.0554 ug/g

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

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REPORT ID: COA-00048395 | Exp: 11/12/2020
ISO/IEC 17025:2005 Accredited | #93948

CANNABINOID ANALYSIS

Total THC,CBD value(s) have been decarboxylated.

TOTAL THC:	ND per serving (ND) (ND)
TOTAL CBD:	23.78 mg per serving (23.78 mg/mL) (2.530 %)
TOTAL CANNABINOIDS:	24.20 mg per serving (24.20 mg/mL) (2.574 %)

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	ND	0.0500	0.1000	D8THC	ND	0.0500	0.1000
CBG	ND	0.0500	0.1000	CBC	ND	0.0500	0.1000
THCv	ND	0.0500	0.1000	CBD	23.78 mg/mL (2.530 %)	0.0500	0.1000
CBN	ND	0.0500	0.1000	CBDv	0.4154 mg/mL (0.0442 %)	0.0500	0.1000
THCa	ND	0.0500	0.1000	CBGa	ND	0.0500	0.1000
CBDa	ND	0.0500	0.1000				

ADDITIONAL INFORMATION

Method:	SOP-TECH-001	Sample Prepped	11/11/2019 10:07	Sample Approved	11/12/2019 13:32
Instrument:	UPLC-DAD	Sample Analyzed	11/11/2019 14:49		

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	0.0200	0.0400	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	0.1000	0.2000	1.000	Cypermethrin	ND	0.0400	0.1000	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	0.0099	0.0198	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	0.0200	0.0400	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	KresoximMethyl	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	0.0200	0.0400	20.00

Phosmet	ND	0.0200	0.0400	0.2000	PiperonylButoxide	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	0.0178	0.0356	1.000
Pyridaben	ND	0.0200	0.0400	3.000	Spinetoram	ND	0.0200	0.0400	3.000
Spinosad	ND	0.0200	0.0400	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 11/11/2019 12:59
Sample Analyzed 11/11/2019 13:00

Sample Approved 11/12/2019 17:54

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
MethylParathion	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 11/11/2019 12:58
Sample Analyzed 11/11/2019 13:00

Sample Approved 11/12/2019 20:36

TERPENE ANALYSIS

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
Limonene	ND	0.0200	0.0400	Delta-3-Carene	ND	0.0200	0.0400
Gamma-Terpinene	0.2354 mg/mL (0.0250 %)	0.0200	0.0400	Nerolidol	0.1843 mg/mL (0.0196 %)	0.0200	0.0400
Linalool	0.1013 mg/mL (0.0108 %)	0.0200	0.0400	Geraniol	0.2029 mg/mL (0.0216 %)	0.0200	0.0400
Alpha-Bisabolol	0.2768 mg/mL (0.0295 %)	0.0200	0.0400	Isopulegol	0.1234 mg/mL (0.0131 %)	0.0200	0.0400
Alpha-Pinene	ND	0.0200	0.0400	Beta-Pinene	ND	0.0200	0.0400
Eucalyptol	ND (ND)	0.0200	0.0400	Ocimene	ND	0.0200	0.0400
Terpinolene	ND	0.0200	0.0400	P-Cymene	ND	0.0200	0.0400
B-Myrcene	ND	0.0200	0.0400	Beta-Caryophyllene	0.1482 mg/mL (0.0158 %)	0.0200	0.0400
Alpha-Terpinene	ND	0.0200	0.0400	Alpha-Humulene	0.0831 mg/mL (0.0088 %)	0.0200	0.0400
Guaiol	ND	0.0200	0.0400	Camphene	ND	0.0200	0.0400
Caryophyllene Oxide	0.0637 mg/mL (0.0068 %)	0.0200	0.0400				

ADDITIONAL INFORMATION

Method: SOP-TECH-004
Instrument: HS-GC-FID

Sample Prepped 11/11/2019 14:34
Sample Analyzed 11/11/2019 14:35

Sample Approved 11/12/2019 17:31

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 11/10/2019 10:14
Sample Analyzed 11/11/2019 09:28
Sample Approved 11/11/2019 13:49

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	0.0554 ug/g	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 11/11/2019 11:05
Sample Analyzed 11/11/2019 11:06
Sample Approved 11/11/2019 21:37

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.

DATA REVIEWED AND APPROVED BY

11/12/2019

Swetha Kaul, PhD
Chief Scientific Officer
Date