

SoftGels Melatonin

FARM BILL
COMPLIANT



SAMPLE ID
149648

SAMPLE NAME
SoftGels Melatonin

MATRIX
Edible

COLLECTED
11/19/2019 14:40

RECEIVED
11/19/2019 14:40

SERVING SIZE
1

SERVINGS PER PACKAGE
30

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

**TOTAL
CBD**

23.51
MG PER SERVING

**TOTAL
THC**

ND
MG PER SERVING

**TOTAL
CANNABINOIDS**

23.71
MG PER SERVING

**TOTAL
TERPENES**

0.85 %
PERCENTAGE

Chemical Residue

No Analytes Detected



Chemical Residue GC

No Analytes Detected



Microbial qPCR

No Analytes Detected



Heavy Metals

Lead: 0.0563 ug/g



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



CANNABINOID ANALYSIS

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

TOTAL THC: ND per serving (ND) (ND)
 TOTAL CBD: 23.51 mg per serving (52.76 mg/g) (5.276 %)
 TOTAL CANNABINOIDS: 23.71 mg per serving (53.20 mg/g) (5.320 %)

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
THCa	ND	0.0100	0.0250	CBDv	0.4371 mg/g (0.0437 %)	0.0100	0.0250
D9THC	ND	0.0100	0.0250	CBGa	ND	0.0100	0.0250
D8THC	ND	0.0100	0.0250	CBG	ND	0.0100	0.0250
THCv	ND	0.0100	0.0250	CBN	ND	0.0100	0.0250
CBDa	ND	0.0100	0.0250	CBC	ND	0.0100	0.0250
CBD	52.76 mg/g (5.276 %)	0.0100	0.0250				

ADDITIONAL INFORMATION

Method: SOP-TECH-001 Sample Prepped 11/21/2019 10:31 Sample Approved 11/21/2019 16:36
 Instrument: UPLC-DAD Sample Analyzed 11/21/2019 10:31

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	0.0196	0.0392	2.000	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
Pacloutrazol	ND	0.0200	0.0400	0.0	Permethrins	ND	0.0198	0.0396	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	0.0078	0.0158	1.000
Pyridaben	ND	0.0200	0.0400	3.000	Spinetoram	ND	0.0200	0.0400	3.000
Spinosad	ND	0.0198	0.0395	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 11/21/2019 09:19
Sample Analyzed 11/21/2019 10:28

Sample Approved 11/22/2019 18:24

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 11/21/2019 09:22
Sample Analyzed 11/21/2019 10:30

Sample Approved 11/22/2019 14:04

TERPENE ANALYSIS

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
Limonene	ND	0.0200	0.0400	Delta-3-Carene	ND	0.0200	0.0400
Gamma-Terpinene	0.1143 mg/g (0.0114 %)	0.0200	0.0400	Nerolidol	0.1439 mg/g (0.0144 %)	0.0200	0.0400
Linalool	ND	0.0200	0.0400	Geraniol	ND	0.0200	0.0400
Alpha-Bisabolol	0.1757 mg/g (0.0176 %)	0.0200	0.0400	Isopulegol	ND	0.0200	0.0400
Alpha-Pinene	0.0884 mg/g (0.0088 %)	0.0200	0.0400	Beta-Pinene	ND	0.0200	0.0400
Eucalyptol	<LLOQ (<LLOQ)	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	7.312 mg/g (0.7312 %)	0.0200	0.0400
Alpha-Terpinene	ND	0.0200	0.0400	Alpha-Humulene	0.4606 mg/g (0.0461 %)	0.0200	0.0400
Guaiol	ND	0.0200	0.0400	Camphene	0.0704 mg/g (0.0070 %)	0.0200	0.0400
Caryophyllene Oxide	0.1738 mg/g (0.0174 %)	0.0200	0.0400				

ADDITIONAL INFORMATION

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

Sample Prepped 11/21/2019 19:11
Sample Analyzed 11/21/2019 19:13

Sample Approved 11/22/2019 17:11



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 Sample Prepped 11/21/2019 06:54 Sample Approved 11/21/2019 15:47
 Instrument: qPCR Sample Analyzed 11/21/2019 06:55

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	0.0563 ug/g	0.0100	0.0500	0.5000	Mercury	ND	0.0030	0.0500	3.000

ADDITIONAL INFORMATION

Method: SOP-TECH-013 Sample Prepped 11/22/2019 10:39 Sample Approved 11/22/2019 17:31
 Instrument: ICP-MS Sample Analyzed 11/22/2019 10:41

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



Swetha Kaul, PhD
 Chief Scientific Officer

11/22/2019
 Date