CONFIDENTIAL MANUFACTURER

This is an internal report from a contract manufacturer, information surrounding the identity of the manufacturer is proprietary.

Certificate of Quality Assurance

Product Name: Organic CBD Gummy - Apple

Lot #: 0919191

Batch #: 091919AG1

Date of Manufacture: 09/19/19

Active Ingredients: THC-Free Phytocannabinoid-Rich Hemp Oil, CBD Isolate

Inactive Ingredients: Organic Apple Juice, Organic Agave, Pectin, Stevia, Citric Acid, Organic Coconut Oil,

Attributes	Acceptance Criteria	Results	Test Method
Appearance	**Brown colored Semi-circle shaped gummy.**	**Conforms**	**QC0002**
Odor	**Sweet -The contents smell similar to Apple juice**	**Conforms**	**QC0002**
Color	**Brown, Amber**	**Conforms**	**QC0002**
Dissolution	**Gummies are homogenous**	**Conforms**	**QC0002**
Cannabinoid Content	**20mg CBD/gummy**	**28mg CBD/gummy Conforms**	**QC0001**
Microbial Testing	**Total Aerobic Count <2000 CFU**	**<LOQ Conforms**	**QC0003**

Package	Acceptance Criteria	Results
Primary Package	Container is clean on the outside and cap screwed on tight. No cracks or breaks. Tamper evident seal is apparent.	Conforms
Secondary Package	Sturdy and clean. Not ripped, punctured, or torn.	Conforms

Prepared by: 10/17/19
Zach Bosler

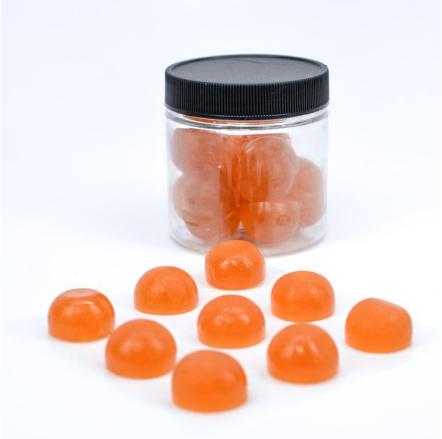
Reviewed by: 10/17/19
PAULINE VANLANDSCHOOT

Cannalysis

Hemp Product Testing

GUMBSIS020

FARM BILL COMPLIANT



SAMPLE ID
138391

SAMPLE NAME
GUMBSIS020

MATRIX
Edible

BATCH ID
091919AGI

COLLECTED
10/07/2019 11:54

RECEIVED
10/07/2019 11:54

SERVING SIZE
1 gummy

SERVINGS PER PACKAGE
1

TOTAL CBD	**28.12** MG PER SERVING
TOTAL D9-THC	**ND** MG PER SERVING
TOTAL CANNABINOIDS	**28.30** MG PER SERVING

Chemical Residue
No Analytes Detected

Chemical Residue GC
No Analytes Detected

Microbial qPCR
No Analytes Detected

Heavy Metals
Lead: <LLOQ

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

1801 Carnegie Ave, Santa Ana CA 92705
License: C8-0000012-LIC
(949) 329-8378
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REPORT ID: COA-00045141 | Exp: 10/11/2020
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:	28.12 mg per serving (6.491 mg/g) (0.6491 %)
TOTAL CANNABINOIDS:	28.30 mg per serving (6.533 mg/g) (0.6533 %)

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	ND	0.0100	0.0250	D8THC	ND	0.0100	0.0250
CBG	ND	0.0100	0.0250	CBC	ND	0.0100	0.0250
THCv	ND	0.0100	0.0250	CBD	6.491 mg/g (0.6491 %)	0.0100	0.0250
CBN	ND	0.0100	0.0250	CBDv	0.0423 mg/g (0.0042 %)	0.0100	0.0250
THCa	ND	0.0100	0.0250	CBGa	ND	0.0100	0.0250
CBDa	ND	0.0100	0.0250				

ADDITIONAL INFORMATION

Method:	SOP-TECH-001	Sample Prepped	10/08/2019 12:35	Sample Approved	10/08/2019 17:56
Instrument:	UPLC-DAD	Sample Analyzed	10/08/2019 12:36		

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 10/08/2019 14:31
Sample Analyzed 10/08/2019 14:33

Sample Approved 10/09/2019 14:52

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 10/10/2019 13:13
Sample Analyzed 10/10/2019 13:13

Sample Approved 10/11/2019 12:04

MICROBIAL 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 10/08/2019 06:36
Sample Analyzed 10/08/2019 06:38

Sample Approved 10/08/2019 11:16

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 10/08/2019 08:52
Sample Analyzed 10/08/2019 09:08

Sample Approved 10/08/2019 14:35

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

10/11/2019
Date