

CONFIDENTIAL EXTRACTOR

CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: Phytocannabinoid-Rich Gummies

PRODUCT CODE: GU-NO-10mg

LOT NUMBER: GO061019GU3 (Sales Order# TOSM-025-ZE, Total of 85,500 gummies)

BATCH NUMBER: 050720

DATE OF MANUFACTURE: 07May2019

Expiration date is months under sealed conditions.

ACTIVE INGREDIENTS: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Corn Syrup; Refined Sugar; Pectin; Sodium Citrate; Glycerin Fatty Acid Ester; Lecithin; D-sorbitol Solution; Gelatin; Citric Acid; Natural Lemon Flavor; Natural Grape Flavor; Natural Orange Flavor; Safflower Lemon extract; Violet (Beet) Color; Carotino Color; Lemon concentrate; Red Grape Concentrate; Orange Juice Concentrate

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Dome shaped gummies	Conforms	QCU002 or QAU005
Odor	Characteristic	Conforms	QCU002 or QAU005
Color	Multi-color	Conforms	QCU002 or QAU005
Cannabinoid Content	2.5mg ($\pm 10\%$) total CBD per gram of gummy. THC - Not Detected	2.50 mg total CBD per gram of gummy, THC - Not Detected	QCU001 or QAU005

Package	Acceptance Criteria	Results
Primary Package	Container dedusted and wiped clean. Container caps screwed on tight	Conforms
Secondary Package	Carton Sturdy and clean sufficient cushion material exists. Carton taped on all sides	Conforms

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CERTIFICATE OF INTERNAL ANALYSIS

TYPE: CBD Infused Gummy

Lot No: 050720

Date of Manufacture: 07May2019

Date of Analysis: 21May2019

Total Active CBD per gram of gummy: 2.50mg

POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	0.24	2.35
CBG	<0.03	<0.30
CBN	<0.03	<0.30
THC	ND**	ND**
CBC	<0.03	<0.30
THC-A	ND**	ND**
CBD-A	<0.03	<0.30
CBDV	<0.03	<0.30
THCV	ND**	ND**
MAX THC	ND**	ND**
MAX CBD	0.24	2.35
TOTAL ACTIVE	0.24	2.35

Residual Solvents*:

Propane	Compliant with USP<467>	Pentane	Compliant with USP<467>
Isobutane	Compliant with USP<467>	Isopropanol	Compliant with USP<467>
Butane	Compliant with USP<467>	Hexane	Compliant with USP<467>
Ethanol	Compliant with USP<467>	Acetone	Compliant with USP<467>

Heavy Metals*:

Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

TERPENE RESULTS*:

	Wt. (%)		Wt. (%)
β -Bisabolene	< 0.1	Camphene	< 0.1
β -Farnesene	< 0.1	E-Farnesene	< 0.1
Guaiol	< 0.1	Farnesol	< 0.1
β -Maaliene	< 0.1	α -Bisabolol	< 0.1
Calarene	< 0.1	P-Cymene	< 0.1
β -Caryophyllene	< 0.1	Linalool	< 0.1
α -Humulene	< 0.1	Myrcene	< 0.1
Cadinene	< 0.1	Phytol	< 0.1
α -Gurjunene	< 0.1	Isopulegol	< 0.1
d-Limonene	< 0.1	Terpinene	< 0.1
Nerolidol	< 0.1	Geraniol	< 0.1
α -Pinene	< 0.1	Myrcene	< 0.1
Aristolene	< 0.1	γ -Terpinene	< 0.1
Eucalyptol	< 0.1	δ -3-Carene	< 0.1

Pesticides*:

Acequinocyl	ND***	Spinosad	ND***
Pyrethrium	ND***	Spirotetramat	ND***
Spiromesifen	ND***	Bifenazate	ND***
Abamectin	ND***	Fenoxycarb	ND***
Imidacloprid	ND***	Paclobutrazol	ND***

Microbial:

STEC	None detected****
Salmonella	None detected****
Total Yeast and Molds	None detected****

Test ID: 305190, 304990 tested by PhytaTech

*Batches are sent out regularly for testing, not all batches tested

** ND = Not Detected using a validated high-performance liquid chromatography test method, LOD = 0.03%

*** Pesticides are tested by a third party lab, ND = Not Detected at the Reporting Limit (RL)

**** Microbial analysis performed by a third party lab, None detected reported because the presence of microbiological organisms was not detected using qPCR (STEC and Salmonella) or plating (total yeast and mold) techniques.

CERTIFICATE OF ANALYSIS



SAMPLE INFORMATION

Sample Name:	Gummy Bulk Lot 50720	Sample Matrix:	Edible
Sample Id:	117169	Custom Id:	101577
Collected:	06/10/2019 08:58	Received:	06/10/2019 10:59
Serving Size:	1 gummy	Servings Per Pkg:	13
Overall Result:	Pass		

MANUFACTURER INFO

Business Name:	MyCBDTest	Street Address:	
City:		State:	
Zip Code:	80524	License:	

MICROBIAL ECOLI ANALYSIS

TEST TYPE RESULT: **Pass**

UNIT OF MEASUREMENT: Colony Forming Unit(CFU)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Ecoli	ND	0.0	0.0	100.0 Pass					

ADDITIONAL INFORMATION

Method: OR-SOP-TECH-006
Instrument:

Sample Prepped 06/10/2019 14:50
Sample Analyzed 06/11/2019 13:15

Sample Approved 06/11/2019 13:31

MICROBIAL SALMONELLA ANALYSIS

TEST TYPE RESULT: **Pass**

UNIT OF MEASUREMENT: Colony Forming Unit(CFU)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Salmonella	ND	0.0	0.0	0.0 Pass					

ADDITIONAL INFORMATION

Method: OR-SOP-TECH-008
Instrument:

Sample Prepped 06/10/2019 14:50
Sample Analyzed 06/11/2019 14:12

Sample Approved 06/11/2019 17:53



CERTIFICATE OF ANALYSIS

CANNABINOID ANALYSIS

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

TOTAL THC: 0.0 mg per serving (0.0 mg/g) (0.0 %)
TOTAL CBD: 10.08 mg per serving (2.540 mg/g) (0.2540 %)
TOTAL CANNABINOIDS: 10.08 mg per serving (2.540 mg/g) (0.2540 %)

TEST TYPE RESULT: N/A
UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	ND	0.0	0.0	D8THC	ND	0.0	0.0
THCa	ND	0.0	0.0	CBG	ND	0.0	0.0
CBN	ND	0.0	0.0	CBD	2.525 mg/g (0.2525 %)	0.0	0.0
CBDa	ND	0.0	0.0	CBGa	ND	0.0	0.0
THCv	ND	0.0	0.0	CBC	ND	0.0	0.0
CBDv	0.0154 mg/g (0.0015 %)	0.0	0.0				

ADDITIONAL INFORMATION

Method: SOP-LAB-001
Instrument: HPLC-DAD

Sample Prepped 06/10/2019 14:49
Sample Analyzed 06/10/2019 14:52

Sample Approved 06/11/2019 12:17

CHEMICAL RESIDUE ANALYSIS

TEST TYPE RESULT: Pass
UNIT OF MEASUREMENT: Parts per Million(PPM)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Acephate	ND	0.0050	0.0125	0.4000 Pass	Acequinocyl	ND	0.1250	0.2500	2.000 Pass
Acetamiprid	ND	0.0050	0.0625	0.2000 Pass	Aldicarb	ND	0.0050	0.0250	0.4000 Pass
Azoxystrobin	ND	0.0050	0.0125	0.2000 Pass	Bifenazate	ND	0.0050	0.0125	0.2000 Pass
Bifenthrin	ND	0.0050	0.0625	0.2000 Pass	Boscalid	ND	0.0050	0.0625	0.4000 Pass
Carbaryl	ND	0.0125	0.1250	0.2000 Pass	Carbofuran	ND	0.0050	0.0250	0.2000 Pass
Chlorantraniliprole	ND	0.0125	0.0625	0.2000 Pass	Chlorfenapyr	ND	0.0250	0.0625	1.000 Pass
Chlorpyrifos	ND	0.0050	0.0250	0.2000 Pass	Clofentezine	ND	0.0050	0.0250	0.2000 Pass
Cypermethrin	ND	0.0250	0.0625	1.000 Pass	Daminozide	ND	0.0050	0.0250	1.000 Pass
Dichlorvos	ND	0.0250	0.0625	0.1000 Pass	Diazinon	ND	0.0050	0.0125	0.2000 Pass
Dimethoate	ND	0.0050	0.0125	0.2000 Pass	Ethoprophos	ND	0.0050	0.0250	0.2000 Pass
Etofenprox	ND	0.0050	0.0125	0.4000 Pass	Etoxazole	ND	0.0050	0.0625	0.2000 Pass
Fenoxycarb	ND	0.0050	0.0250	0.2000 Pass	Fenpyroximate	ND	0.0625	0.6250	0.4000 Pass
Fipronil	ND	0.1250	0.1875	0.4000 Pass	Flonicamid	ND	0.0050	0.0125	1.000 Pass
Fludioxonil	ND	0.0250	0.0625	0.4000 Pass	Hexythiazox	ND	0.0050	0.0250	1.000 Pass
Imazalil	ND	0.0050	0.0125	0.2000 Pass	Imidacloprid	ND	0.0050	0.0625	0.4000 Pass
KresoximMethyl	ND	0.0250	0.0625	0.4000 Pass	Malathion	ND	0.0050	0.0250	0.2000 Pass
Metalaxyl	ND	0.0050	0.0125	0.2000 Pass	Methiocarb	ND	0.0050	0.0125	0.2000 Pass
Methomyl	ND	0.0050	0.0250	0.4000 Pass	MethylParathion	ND	0.1250	0.0250	0.2000 Pass





CERTIFICATE OF ANALYSIS

Myclobutanil	ND	0.0050	0.0625	0.2000	Pass	Naled	ND	0.0125	0.0625	0.5000	Pass
Oxamyl	ND	5.00E-6	1.25E-5	0.0010	Pass	Paclobutrazol	ND	0.0050	0.0250	0.4000	Pass
Phosmet	ND	0.0050	0.0125	0.2000	Pass	PiperonylButoxide	ND	0.0050	0.0625	2.000	Pass
Prallethrin	ND	0.0250	0.0625	0.2000	Pass	Propoxur	ND	0.0050	0.0250	0.2000	Pass
Pyridaben	ND	0.0050	0.0250	0.2000	Pass	Spiromesifen	ND	0.0625	0.6250	0.2000	Pass
Spirotetramat	ND	0.0050	0.0625	0.2000	Pass	Spiroxamine	ND	0.0050	0.0250	0.4000	Pass
Tebuconazole	ND	0.0050	0.0125	0.4000	Pass	Thiacloprid	ND	0.0050	0.0625	0.2000	Pass
Thiamethoxam	ND	0.0050	0.0125	0.2000	Pass	Trifloxystrobin	ND	0.0050	0.0250	0.2000	Pass
Abamectin	ND	4.851	0.1288	0.5000	Pass	Cyfluthrin	ND	0.0625	0.1250	1.000	Pass
MGK-264	ND	0.0050	0.0625	0.2000	Pass	Permethrins	ND	0.0050	0.0408	0.2000	Pass
Propiconazole	ND	0.0051	0.0494	0.4000	Pass	Pyrethrins	ND	0.0220	0.1006	1.000	Pass
Spinosad	ND	0.0050	0.0230	0.2000	Pass						

ADDITIONAL INFORMATION

Method: SOP
Instrument:

Sample Prepped 06/11/2019 10:22
Sample Analyzed 06/11/2019 10:24

Sample Approved 06/11/2019 14:12

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

Stacey Anderson, PhD
Lab Director

06/11/2019
Date




June 11, 2019

Order No. 506656
Sample No. 1028090

SAMPLE INFORMATION

Description Gummy
Lot Number 50720
Category (Type) Edible
Received June 10, 2019

ANALYTICAL RESULTS

Analysis Heavy Metal Screen  Pass
Instrument ICP-MS
Method MF 24E020
Analysis Date June 10, 2019 to June 11, 2019

Analyte	LOD / LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	ND	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Lead	0.02/0.05	ND	0.5	Pass
Mercury	0.02/0.05	ND	3.0	Pass

Reported by
Anresco, Inc.

ND = None Detected
<LOQ = Below Limit of Quantitation
<LOD = Below Limit of Detection



Yelena Bindman
Senior Chemist

June 11, 2019