

Prepared for:

15mg THC Free Gummy Bulk

CWB HOLDINGS, INC


Batch ID or Lot Number: 2040A1G	Test: Potency	Reported: 2/25/22	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000194967	Started: 2/24/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC (Colorado Panel)	Received: 02/23/2022 @ 03:53 PM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.002	0.008	ND	ND	total THC per container (6ct)=ND, per container (30ct)=ND, per container (60ct)=ND, per container (90ct)=ND, per serving (2ct)=ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.003	0.009	ND	ND	
Cannabidiolic acid (CBDA)	0.021	0.060	ND	ND	
Cannabidiol (CBD)	0.020	0.059	0.193	1.93	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.015	0.058	ND	ND	
Cannabinolic Acid (CBNA)	0.008	0.033	ND	ND	
Cannabinol (CBN)	0.004	0.015	ND	ND	
Cannabigerolic acid (CBGA)	0.012	0.048	ND	ND	
Cannabigerol (CBG)	0.003	0.012	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.011	0.041	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.009	0.025	ND	ND	
Cannabidivarin (CBDV)	0.005	0.014	ND	ND	
Cannabichromenic Acid (CBCA)	0.005	0.019	ND	ND	
Cannabichromene (CBC)	0.005	0.020	ND	ND	
Total Cannabinoids			0.193	1.93	
Total Potential THC**			ND	ND	
Total Potential CBD**			0.193	1.93	

 Karen Winternheimer
25-Feb-2022
12:31 PM

 Ryan Weems
25-Feb-22
12:34 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (CBDA *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02

Prepared for:

15mg THC Free Gummy Bulk
CWB HOLDINGS, INC

Batch ID or Lot Number: 2040A1G	Test: Potency	Reported: 2/25/22	Location: 700 Tech Ct. Louisville, CO 80027
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Matrix: Concentrate	Test ID: T000194968	Started: 2/24/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC (Colorado Panel)	Received: 02/23/2022 @ 03:53 PM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.002	0.007	ND	ND	total THC per container (6ct)=ND, per container (30ct)=ND, per container (60ct)=ND, per container (90ct)=ND, per serving (2ct)=ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.002	0.008	ND	ND	
Cannabidiolic acid (CBDA)	0.019	0.057	ND	ND	
Cannabidiol (CBD)	0.019	0.055	0.197	1.97	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.014	0.054	ND	ND	
Cannabinolic Acid (CBNA)	0.008	0.031	ND	ND	
Cannabinol (CBN)	0.004	0.014	ND	ND	
Cannabigerolic acid (CBGA)	0.012	0.045	ND	ND	
Cannabigerol (CBG)	0.003	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.010	0.038	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.008	0.024	ND	ND	
Cannabidivarin (CBDV)	0.004	0.013	ND	ND	
Cannabichromenic Acid (CBCA)	0.005	0.018	ND	ND	
Cannabichromene (CBC)	0.005	0.019	ND	ND	
Total Cannabinoids			0.197	1.97	
Total Potential THC**			ND	ND	
Total Potential CBD**			0.197	1.97	

K Winterheimer
 Karen Winterheimer
 25-Feb-2022
 12:31 PM

Ryan Weems
 Ryan Weems
 25-Feb-22
 12:34 PM

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APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (CBDa *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02

Prepared for:


15mg THC Free Gummy Bulk


CWB HOLDINGS, INC

Batch ID or Lot Number: 2040A1G	Test: Potency	Reported: 2/25/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Concentrate	Test ID: T000194966	Started: 2/24/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC (Colorado Panel)	Received: 02/23/2022 @ 03:53 PM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.002	0.007	ND	ND	total THC per container (6ct)=ND, per container (30ct)=ND, per container (60ct)=ND, per container (90ct)=ND, per serving (2ct)=ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.002	0.008	ND	ND	
Cannabidiolic acid (CBDA)	0.018	0.053	ND	ND	
Cannabidiol (CBD)	0.018	0.052	0.198	1.98	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.013	0.051	ND	ND	
Cannabinolic Acid (CBNA)	0.007	0.029	ND	ND	
Cannabinol (CBN)	0.003	0.013	ND	ND	
Cannabigerolic acid (CBGA)	0.011	0.043	ND	ND	
Cannabigerol (CBG)	0.003	0.010	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.009	0.036	ND	ND	
Tetrahydrocannabivarin (THCV)	0.002	0.009	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.008	0.022	ND	ND	
Cannabidivarin (CBDV)	0.004	0.012	ND	ND	
Cannabichromenic Acid (CBCA)	0.004	0.016	ND	ND	
Cannabichromene (CBC)	0.005	0.018	ND	ND	
Total Cannabinoids			0.198	1.98	
Total Potential THC**			ND	ND	
Total Potential CBD**			0.198	1.98	

 Karen Winternheimer
25-Feb-2022
12:31 PM

 Ryan Weems
25-Feb-22
12:34 PM

PREPARED BY / DATE

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Definitions

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Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (CBDA *(0.877))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02



CONTROLLED FORM

DOCUMENT NUMBER: QA-FM-044

SOP: QS-009

Batch Number: 2040A1G

By/Date TNDO8 Mar 22

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WEIGHING PROTOCOL

Balance ID 0012

THC Free Gummy 15mg
2040A1G

8.Mar.2022 15:57
Weight (1) 3.65584 g

THC Free Gummy 15mg
2040A1G

8.Mar.2022 15:58
Weight (2) 4.18603 g

THC Free Gummy 15mg
2040A1G

8.Mar.2022 15:59
Weight (3) 4.38865 g

THC Free Gummy 15mg
2040A1G

8.Mar.2022 15:59
Weight (4) 4.09122 g

THC Free Gummy 15mg
2040A1G

8.Mar.2022 16:00
Weight (5) 3.83466 g

SIGNATURE

[Signature]

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WEIGHING PROTOCOL

Balance ID 0012

THC Free Gummy 15mg
2040A1G

8.Mar.2022 16:00
Weight (1) 3.53490 g

THC Free Gummy 15mg
2040A1G

8.Mar.2022 16:01
Weight (2) 4.53917 g

THC Free Gummy 15mg
2040A1G

8.Mar.2022 16:02
Weight (3) 4.46209 g

THC Free Gummy 15mg
2040A1G

8.Mar.2022 16:03
Weight (4) 4.15658 g

THC Free Gummy 15mg
2040A1G

8.Mar.2022 16:04
Weight (5) 3.86064 g

SIGNATURE

[Signature]

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TNDO8 Mar 22

TNDO8 Mar 22

Avg = 4.070978 ~ 4.1g gummy TNDO8 Mar 22

Performed By/Date: TNDO8 Mar 22

Reviewed By/Date: ARPO9 Mar 22

Form No.	QS-FM-044
Version No.	0

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

Sample Name:	2040A1G	Eurofins Sample:	11435725
Project ID	CHARLO_WEB-20220211-0086	Receipt Date	12-Feb-2022
PO Number	qc 325	Receipt Condition	Ambient temperature
Description	15mg THC Free Gummy Bulk	Login Date	11-Feb-2022
		Date Started	15-Feb-2022
		Sampled	Sample results apply as received
		Online Order	18705-16C92580

Analysis	Result
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Glyphosate and AMPA

Glyphosate	<100 ng/g
AMPA	<100 ng/g

Analysis	Limit	Result	Pass/Fail
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BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices

Category I Residual Solvent or Processing Chemical

1,2-Dichloroethane	1.0 ppm	<1.0 ppm	Pass
Benzene	1.0 ppm	<1.0 ppm	Pass
Chloroform	1.0 ppm	<1.0 ppm	Pass
Ethylene Oxide	25.0 ppm	<25.0 ppm	Pass
Methylene Chloride	1.0 ppm	<1.0 ppm	Pass
Trichloroethylene	1.0 ppm	<1.0 ppm	Pass

The BCC limit of 1 ppm for Ethylene Oxide is not achieved by this method. Reporting limit of 25 ppm is the limit recommended by the AOAC CASP.

Category II Residual Solvent or Processing Chemical

Isopropal Alcohol	5000 ppm	<500 ppm	Pass
Acetone	5000 ppm	<200 ppm	Pass
Acetonitrile	410 ppm	<200 ppm	Pass
Ethanol	5000 ppm	<1000 ppm	Pass
Ethyl Acetate	5000 ppm	<500 ppm	Pass
Ethyl Ether	5000 ppm	<500 ppm	Pass
Methanol	3000 ppm	<500 ppm	Pass
Butane	5000 ppm	<500 ppm	Pass
Heptane	5000 ppm	<50.0 ppm	Pass
Hexane	290 ppm	<30.0 ppm	Pass
Pentane	5000 ppm	<25.0 ppm	Pass
Propane	5000 ppm	<1000 ppm	Pass
Toluene	890 ppm	<90.0 ppm	Pass
Xylenes (ortho-, meta-, para-)	2170 ppm	<160 ppm	Pass

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

Sample Name:	2040A1G	Eurofins Sample:	11435725
Project ID	CHARLO_WEB-20220211-0086	Receipt Date	12-Feb-2022
PO Number	qc 325	Receipt Condition	Ambient temperature
Description	15mg THC Free Gummy Bulk	Login Date	11-Feb-2022
		Date Started	15-Feb-2022
		Sampled	Sample results apply as received
		Online Order	18705-16C92580

Analysis	Limit	Result	Pass/Fail
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BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices

The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42.

Multi-Residue Analysis for hemp products - BCC Pesticide List

Analysis	Limit	Result	Pass/Fail
Abamectin	0.3 mg/kg	<0.30 mg/kg	Pass
Acephate	5 mg/kg	<0.10 mg/kg	Pass
Acequinocyl	4 mg/kg	<1.0 mg/kg	Pass
Acetamiprid	5 mg/kg	<0.10 mg/kg	Pass
Aldicarb	0.1 mg/kg	<0.10 mg/kg	Pass
Aldicarb sulfone (Aldoxycarb)	0.1 mg/kg	<0.10 mg/kg	Pass
Aldicarb sulfoxide	0.1 mg/kg	<0.10 mg/kg	Pass
Azoxystrobin	40 mg/kg	<0.10 mg/kg	Pass
Bifenazate	5 mg/kg	<0.10 mg/kg	Pass
Bifenthrin	0.5 mg/kg	<0.10 mg/kg	Pass
Boscalid	10 mg/kg	<0.10 mg/kg	Pass
Captan	5 mg/kg	<0.20 mg/kg	Pass
Carbaryl	0.5 mg/kg	<0.10 mg/kg	Pass
Carbofuran	0.1 mg/kg	<0.10 mg/kg	Pass
Carbofuran-3-hydroxy-	0.1 mg/kg	<0.10 mg/kg	Pass
Chlorantraniliprole	40 mg/kg	<0.10 mg/kg	Pass
Chlordane, cis-	0.1 mg/kg	<0.10 mg/kg	Pass
Chlordane, trans-	0.1 mg/kg	<0.10 mg/kg	Pass
Chlorfenapyr	0.1 mg/kg	<0.10 mg/kg	Pass
Chlorpyrifos	0.1 mg/kg	<0.10 mg/kg	Pass
Clofentezine	0.5 mg/kg	<0.10 mg/kg	Pass
Coumaphos	0.1 mg/kg	<0.10 mg/kg	Pass
Cyfluthrin	1 mg/kg	<0.10 mg/kg	Pass
Cypermethrin	1 mg/kg	<0.10 mg/kg	Pass
Diazinon	0.2 mg/kg	<0.10 mg/kg	Pass
Dichlorvos	0.1 mg/kg	<0.10 mg/kg	Pass

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

Sample Name:	2040A1G	Eurofins Sample:	11435725
Project ID	CHARLO_WEB-20220211-0086	Receipt Date	12-Feb-2022
PO Number	qc 325	Receipt Condition	Ambient temperature
Description	15mg THC Free Gummy Bulk	Login Date	11-Feb-2022
		Date Started	15-Feb-2022
		Sampled	Sample results apply as received
		Online Order	18705-16C92580

Analysis	Limit	Result	Pass/Fail
Multi-Residue Analysis for hemp products - BCC Pesticide List			
Dimethoate	0.1 mg/kg	<0.10 mg/kg	Pass
Dimethomorph	20 mg/kg	<0.10 mg/kg	Pass
Ethoprophos	0.1 mg/kg	<0.10 mg/kg	Pass
Etofenprox	0.1 mg/kg	<0.10 mg/kg	Pass
Etoxazole	1.5 mg/kg	<0.10 mg/kg	Pass
Fenoxycarb	0.1 mg/kg	<0.10 mg/kg	Pass
Fenpyroximate	2 mg/kg	<0.10 mg/kg	Pass
Fipronil	0.1 mg/kg	<0.10 mg/kg	Pass
Fipronil desulfinyl	0.1 mg/kg	<0.10 mg/kg	Pass
Fipronil sulfone	0.1 mg/kg	<0.10 mg/kg	Pass
Flonicamid	2 mg/kg	<0.10 mg/kg	Pass
Fludioxonil	30 mg/kg	<0.10 mg/kg	Pass
Hexythiazox	2 mg/kg	<0.10 mg/kg	Pass
Imazalil	0.1 mg/kg	<0.10 mg/kg	Pass
Imidacloprid	3 mg/kg	<0.10 mg/kg	Pass
Kresoxim-methyl	1 mg/kg	<0.10 mg/kg	Pass
Malathion	5 mg/kg	<0.10 mg/kg	Pass
Metalaxyl	15 mg/kg	<0.10 mg/kg	Pass
Methiocarb	0.1 mg/kg	<0.10 mg/kg	Pass
Methiocarb sulfone	0.1 mg/kg	<0.10 mg/kg	Pass
Methiocarb sulfoxide	0.1 mg/kg	<0.10 mg/kg	Pass
Methomyl	0.1 mg/kg	<0.10 mg/kg	Pass
Mevinphos	0.1 mg/kg	<0.10 mg/kg	Pass
Myclobutanil	9 mg/kg	<0.10 mg/kg	Pass
Naled	0.5 mg/kg	<0.10 mg/kg	Pass
Oxamyl	0.2 mg/kg	<0.10 mg/kg	Pass
Paclobutrazol	0.1 mg/kg	<0.10 mg/kg	Pass
Methyl parathion	0.1 mg/kg	<0.10 mg/kg	Pass
Pentachloroaniline	0.2 mg/kg	<0.10 mg/kg	Pass
Pentachlorobenzene	0.2 mg/kg	<0.10 mg/kg	Pass

Certificate of Analysis

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700 Tech Court
Louisville Colorado 80027

Sample Name:	2040A1G	Eurofins Sample:	11435725
Project ID	CHARLO_WEB-20220211-0086	Receipt Date	12-Feb-2022
PO Number	qc 325	Receipt Condition	Ambient temperature
Description	15mg THC Free Gummy Bulk	Login Date	11-Feb-2022
		Date Started	15-Feb-2022
		Sampled	Sample results apply as received
		Online Order	18705-16C92580

Analysis	Limit	Result	Pass/Fail
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Multi-Residue Analysis for hemp products - BCC Pesticide List

Analysis	Limit	Result	Pass/Fail
Pentachlorobenzonitrile	0.2 mg/kg	<0.10 mg/kg	Pass
Pentachlorothioanisole	0.2 mg/kg	<0.10 mg/kg	Pass
Permethrin	20 mg/kg	<0.10 mg/kg	Pass
Phosmet	0.2 mg/kg	<0.10 mg/kg	Pass
Piperonylbutoxide	8 mg/kg	<0.10 mg/kg	Pass
Prallethrin	0.4 mg/kg	<1.0 mg/kg	Pass
Propiconazole (sum of isomers)	20 mg/kg	<0.10 mg/kg	Pass
Propoxur	0.1 mg/kg	<0.10 mg/kg	Pass
Pyrethrins	1 mg/kg	<1.0 mg/kg	Pass
Pyridaben	3 mg/kg	<0.10 mg/kg	Pass
Pentachloronitrobenzene	0.2 mg/kg	<0.10 mg/kg	Pass
Spinetoram	3 mg/kg	<0.10 mg/kg	Pass
Spinosad	3 mg/kg	<0.10 mg/kg	Pass
Spiromesifen	12 mg/kg	<0.10 mg/kg	Pass
Spirotetramat	13 mg/kg	<0.10 mg/kg	Pass
Spiroxamine	0.1 mg/kg	<0.10 mg/kg	Pass
Tebuconazole	2 mg/kg	<0.10 mg/kg	Pass
Thiacloprid	0.1 mg/kg	<0.10 mg/kg	Pass
Thiamethoxam	4.5 mg/kg	<0.10 mg/kg	Pass
Trifloxystrobin	30 mg/kg	<0.10 mg/kg	Pass

The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42.

Prallethrin reporting limit is higher than BCC action level, but EPA tolerance is 1 ppm.

Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside

Analysis	Limit	Result	Pass/Fail
Daminozide	0.1 mg/kg	<0.10 mg/kg	Pass
Fenhexamid	10 mg/kg	<0.10 mg/kg	Pass

The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42.

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

Sample Name:	2040A1G	Eurofins Sample:	11435725
Project ID	CHARLO_WEB-20220211-0086	Receipt Date	12-Feb-2022
PO Number	qc 325	Receipt Condition	Ambient temperature
Description	15mg THC Free Gummy Bulk	Login Date	11-Feb-2022
		Date Started	15-Feb-2022
		Sampled	Sample results apply as received
		Online Order	18705-16C92580

Analysis	Limit	Result	Pass/Fail
Multi-Residue Analysis for hemp products (1-5 Compounds from 500+ Compound list)			
Metolachlor		<0.10 mg/kg	

Method References

Testing Location

BCC - Residual Solvent Analysis in Cannabis and Hemp Matrices (CANN_SOL_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Internally Developed Method

Glyphosate and AMPA (GLY_AMP_A_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Monsanto Company Method ME-1466-02, "High Throughput Assay for Glyphosate and AMPA in Raw Agricultural Commodities and Processed Fractions Using LC/MS/MS".

Multi-Residue Analysis for hemp products - BCC Pesticide List (PEST_HEMP)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

Certificate of Analysis

Charlotte's Web, Inc.

700 Tech Court
Louisville Colorado 80027

Method References

Testing Location

Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside (PEST_HEMP)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

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List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

Multi-Residue Analysis for hemp products (1-5 Compounds from 500+ Compound list) (PEST_HEMP)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

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Testing Location(s)

Released on Behalf of Eurofins by

Food Integrity Innovation-Madison

Edward Ladwig - President Eurofins Food Chemistry Testing Madison

Eurofins Food Chemistry Testing Madison, Inc.
6304 Ronald Reagan Ave
Madison WI 53704
800-675-8375



2918.01

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.

Prepared for:

CWB HOLDINGS, INC
15mg THC Free Gummy Bulk


Batch ID or Lot Number: 2040A1G	Test: Mycotoxins	Reported: 2/16/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Concentrate	Test ID: T000192759	Started: 2/15/22	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 02/15/2022 @ 10:18 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.6 - 131	ND	N/A
Aflatoxin B1	1.2 - 33	ND	
Aflatoxin B2	1.3 - 32.9	ND	
Aflatoxin G1	1.3 - 32.7	ND	
Aflatoxin G2	1 - 33.4	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Ryan Weems
 16-Feb-22
 1:06 PM

PREPARED BY / DATE


 Sam Smith
 16-Feb-22
 1:15 PM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



CDPHE Certified



Certificate #4329.02


Prepared for:


CWB HOLDINGS, INC
15mg THC Free Gummy Bulk

Batch ID or Lot Number: 2040A1G	Test: Metals	Reported: 2/15/22	Location: 700 Tech Ct. Louisville, CO 80027
Matrix: Unit Co	Test ID: T000192758	Started: 2/15/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals (Colorado Panel)	Received: 02/15/2022 @ 10:18 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.045 - 4.47	ND	
Cadmium	0.043 - 4.29	ND	
Mercury	0.045 - 4.47	ND	
Lead	0.045 - 4.45	ND	


 Daniel Weidensaul
 15-Feb-22
 6:52 PM


 Ryan Weems
 15-Feb-22
 6:55 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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CDPHE Certified



Certificate #4329.02

15mg THC Free Gummy 60ct

Batch ID:	2040A1G - Beginning	Test ID:	T000192760
Matrix:	Finished Product	Received:	02/15/2022 @ 10:18 AM
Test:	Microbial Contaminants	Started:	2/15/2022
Methods:	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Reported:	2/18/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
Total Yeast and Mold*	TM-24 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
Total Aerobic Count*	TM-26 Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵ CFU/g	None Detected
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
STEC	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent
Salmonella	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU


NOTES:

Free from visual mold, mildew, and foreign matter


DEFINITIONS:

CFU/g = Colony Forming Units per gram | LOD = Limit of Detection | STEC = Shiga toxin-producing E. coli
 LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL


 Brett Hudson
 2/18/2022
 12:10:00 PM

PREPARED BY / DATE


 Sarah Henning
 2/18/2022
 9:18:00 PM

APPROVED BY / DATE

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Certificate #4329.03

15mg THC Free Gummy 60ct

Batch ID:	2040A1G - Beginning	Test ID:	T000192761
Matrix:	Finished Product	Received:	02/15/2022 @ 10:18 AM
Test:	Microbial Contaminants: A-La-Carte	Started:	2/16/2022
Method(s):	TM-28	Reported:	2/18/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
<i>E. coli</i>	TM-28: Culture Plating	10 ² CFU/g	N/A	Absent


NOTES:

Free from visual mold, mildew, and foreign matter


DEFINITIONS:

CFU = Colony Forming Units | LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL


Brett Hudson
18-Feb-2022
12:17 PM

PREPARED BY / DATE


Sarah Henning
18-Feb-2022
4:49 PM

APPROVED BY / DATE

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Certificate #4329.03

15mg THC Free Gummy 60ct

Batch ID:	2040A1G - Middle	Test ID:	T000192763
Matrix:	Finished Product	Received:	02/15/2022 @ 10:18 AM
Test:	Microbial Contaminants	Started:	2/15/2022
Methods:	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Reported:	2/18/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
Total Yeast and Mold*	TM-24 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
Total Aerobic Count*	TM-26 Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵ CFU/g	None Detected
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
STEC	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent
Salmonella	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
10³ = 1,000 CFU
10⁴ = 10,000 CFU
10⁵ = 100,000 CFU

NOTES:

Free from visual mold, mildew, and foreign matter

DEFINITIONS:


CFU/g = Colony Forming Units per gram | LOD = Limit of Detection | STEC = Shiga toxin-producing E. coli
LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL



Brett Hudson
2/18/2022
12:10:00 PM

PREPARED BY / DATE



Sarah Henning
2/18/2022
9:18:00 PM

APPROVED BY / DATE

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Certificate #4329.03

15mg THC Free Gummy 60ct

Batch ID:	2040A1G - Middle	Test ID:	T000192764
Matrix:	Finished Product	Received:	02/15/2022 @ 10:18 AM
Test:	Microbial Contaminants: A-La-Carte	Started:	2/16/2022
Method(s):	TM-28	Reported:	2/18/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
<i>E. coli</i>	TM-28: Culture Plating	10 ² CFU/g	N/A	Absent


NOTES:

Free from visual mold, mildew, and foreign matter


DEFINITIONS:

CFU = Colony Forming Units | LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL


Brett Hudson
18-Feb-2022
12:17 PM

PREPARED BY / DATE


Sarah Henning
18-Feb-2022
4:49 PM

APPROVED BY / DATE

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Certificate #4329.03

15mg THC Free Gummy 60ct

Batch ID:	2040A1G - End	Test ID:	T000192766
Matrix:	Finished Product	Received:	02/15/2022 @ 10:18 AM
Test:	Microbial Contaminants	Started:	2/15/2022
Methods:	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Reported:	2/18/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
Total Yeast and Mold*	TM-24 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
Total Aerobic Count*	TM-26 Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵ CFU/g	<LLOQ
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
STEC	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent
Salmonella	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
10³ = 1,000 CFU
10⁴ = 10,000 CFU
10⁵ = 100,000 CFU


NOTES:

Free from visual mold, mildew, and foreign matter


DEFINITIONS:

CFU/g = Colony Forming Units per gram | LOD = Limit of Detection | STEC = Shiga toxin-producing E. coli
LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL


Brett Hudson
2/18/2022
12:10:00 PM

PREPARED BY / DATE


Sarah Henning
2/18/2022
9:18:00 PM

APPROVED BY / DATE

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Certificate #4329.03

15mg THC Free Gummy 60ct

Batch ID:	2040A1G - End	Test ID:	T000192767
Matrix:	Finished Product	Received:	02/15/2022 @ 10:18 AM
Test:	Microbial Contaminants: A-La-Carte	Started:	2/16/2022
Method(s):	TM-28	Reported:	2/18/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
<i>E. coli</i>	TM-28: Culture Plating	10 ² CFU/g	N/A	Absent


NOTES:

Free from visual mold, mildew, and foreign matter


DEFINITIONS:

CFU = Colony Forming Units | LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL


Brett Hudson
18-Feb-2022
12:17 PM

PREPARED BY / DATE


Sarah Henning
18-Feb-2022
4:49 PM

APPROVED BY / DATE

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