



## Certificate of Analysis for

Balanced Health Botanicals  
1500 W Hampden Ave, Unit 5G  
Sheridan, CO 80110  
Phone: (833) 215-8482



Received: 5/5/2022 @ 19.4 °C Unwind Synergy THC CBD Gummies  
(4221180)

Sample ID: 2205160-001

**AC.1a: AC by mass via AOAC 990.12 (Petrifilm™) Analyzed 05/05/22**

Aerobic Plate Count	< 10	CFU/g
---------------------	------	-------

**aW.2: aW via AquaLab Tunable Diode Laser Methods Analyzed 05/06/22**

Water Activity	0.572	aW
----------------	-------	----

**CC.1a: CC by mass via AOAC 991.14, 998.03 (Petrifilm™) Analyzed 05/05/22**

Total Coliform Bacteria	< 10	CFU/g
-------------------------	------	-------

**EC.1a: EC by mass via AOAC 991.14, 998.08 (Petrifilm™) Analyzed 05/05/22**

Escherichia coli	< 10	CFU/g
------------------	------	-------

**ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 05/10/22**

Arsenic (As)	< 0.020	mg/kg (ppm)	Cadmium (Cd)	< 0.010	mg/kg (ppm)
Lead (Pb)	0.012	mg/kg (ppm)	Mercury (Hg)	< 0.005	mg/kg (ppm)

**LMono.2: Listeria monocytogenes via AOAC 121804 (Gene-Up® PCR System) Analyzed 05/05/22**

Listeria monocytogenes	Negative	/10 g
------------------------	----------	-------

**Myc.1: Mycotoxins by LC-MS Analyzed 05/09/22**

Aflatoxin B1	< 10	µg/kg (ppb)	Aflatoxin B2	< 10	µg/kg (ppb)
Aflatoxin G1	< 10	µg/kg (ppb)	Aflatoxin G2	< 10	µg/kg (ppb)
Ochratoxin A	< 20	µg/kg (ppb)			



# Certificate of Analysis for

Balanced Health Botanicals  
1500 W Hampden Ave, Unit 5G  
Sheridan, CO 80110  
Phone: (833) 215-8482



Received: 5/5/2022 @ 19.4 °C

Unwind Synergy THC CBD Gummies  
(4221180)

Sample ID: 2205160-001

## Pest.1: Pesticides by LC/MS/MS (Agilent App - Determination of Pesticides and Mycotoxins) Analyzed 05/09/22

Abamectin (B1a + B1b)	< 50	µg/kg (ppb)	Acephate	< 25	µg/kg (ppb)
Acequinocyl	< 10	µg/kg (ppb)	Acetamiprid	< 10	µg/kg (ppb)
Aldicarb	< 10	µg/kg (ppb)	Azoxystrobin	< 10	µg/kg (ppb)
Bifenazate	< 50	µg/kg (ppb)	Bifenthrin	< 10	µg/kg (ppb)
Boscalid	< 50	µg/kg (ppb)	Carbaryl	< 25	µg/kg (ppb)
Carbofuran	< 25	µg/kg (ppb)	Chlorantraniliprole	< 25	µg/kg (ppb)
Chlorfenapyr	< 100	µg/kg (ppb)	Chlorpyrifos	< 25	µg/kg (ppb)
Clofentezine	< 10	µg/kg (ppb)	Coumaphos	< 10	µg/kg (ppb)
Cyfluthrin (Baythroid)	< 50	µg/kg (ppb)	Cypermethrin	< 50	µg/kg (ppb)
Daminozide	< 25	µg/kg (ppb)	Diazinon	< 10	µg/kg (ppb)
Dibrom (Naled)	< 50	µg/kg (ppb)	Dichlorvos	< 50	µg/kg (ppb)
Dimethoate	< 25	µg/kg (ppb)	Dimethomorph	< 25	µg/kg (ppb)
Ethofenprox	< 10	µg/kg (ppb)	Ethoprophos (Prophos)	< 25	µg/kg (ppb)
Etoxazole	< 25	µg/kg (ppb)	Fenhexamid	< 50	µg/kg (ppb)
Fenoxycarb	< 10	µg/kg (ppb)	Fenpyroximate	< 25	µg/kg (ppb)
Fipronil	< 10	µg/kg (ppb)	Fonicamid	< 25	µg/kg (ppb)
Fludioxonil	< 25	µg/kg (ppb)	Hexythiazox	< 10	µg/kg (ppb)
Imazalil	< 50	µg/kg (ppb)	Imidacloprid	< 10	µg/kg (ppb)
Kresoxim Methyl	< 10	µg/kg (ppb)	Malathion	< 100	µg/kg (ppb)
Metalaxyl	< 25	µg/kg (ppb)	Methiocarb	< 50	µg/kg (ppb)
Methomyl	< 25	µg/kg (ppb)	Oxamyl	< 10	µg/kg (ppb)
Paclobutrazol	< 25	µg/kg (ppb)	Permethrins	< 10	µg/kg (ppb)
Phosdrin (Mevinphos)	< 50	µg/kg (ppb)	Phosmet	< 10	µg/kg (ppb)
Piperonyl Butoxide	< 10	µg/kg (ppb)	Prallethrin	< 25	µg/kg (ppb)
Propiconazol	< 25	µg/kg (ppb)	Propoxur	< 25	µg/kg (ppb)
Pyrethrins	< 50	µg/kg (ppb)	Pyridaben	< 10	µg/kg (ppb)
Spinetoram	< 25	µg/kg (ppb)	Spinosad A	< 10	µg/kg (ppb)
Spinosad D	< 50	µg/kg (ppb)	Spiromesifen	< 25	µg/kg (ppb)
Spirotetramat	< 25	µg/kg (ppb)	Spiroxamine	< 25	µg/kg (ppb)
Systhane (Myclobutanil)	< 50	µg/kg (ppb)	Tebuconazol (Folicur)	< 25	µg/kg (ppb)
Thiacloprid	< 25	µg/kg (ppb)	Thiamethoxam	< 25	µg/kg (ppb)
Trifloxystrobin	< 10	µg/kg (ppb)			



# Certificate of Analysis for

Balanced Health Botanicals  
1500 W Hampden Ave, Unit 5G  
Sheridan, CO 80110  
Phone: (833) 215-8482



Received: 5/5/2022 @ 19.4 °C

Unwind Synergy THC CBD Gummies  
(4221180)

Sample ID: 2205160-001

## ResSolv.2: Residual Solvents by Headspace GC/MS (VF-624MS) Analyzed 05/09/22

(+/-)-2-Butanol	< 10	ppm	1,1-Dichloroethene	< 5	ppm
1,2-Dichloroethane	< 2	ppm	1,2-Dimethoxyethane	< 10	ppm
1,4-Dioxane	< 25	ppm	1-Butanol	< 50	ppm
1-Pentanol	< 100	ppm	1-Propanol	< 100	ppm
2,2-Dimethylbutane	< 25	ppm	2,3-Dimethylbutane	< 25	ppm
2-Ethoxyethanol	< 75	ppm	2-Methoxyethanol	< 50	ppm
2-Methyl-1-propanol	< 100	ppm	2-Methylbutane (Isopentane)	< 75	ppm
2-Methylpentane	< 25	ppm	2-Propanol	< 50	ppm
3-Methyl-1-Butanol	< 100	ppm	3-Methylpentane	< 25	ppm
Acetone	< 50	ppm	Acetonitrile	< 50	ppm
Anisole	< 50	ppm	Benzene	< 1	ppm
Butyl Acetate	< 50	ppm	Chloroform	< 10	ppm
Cumene	< 100	ppm	Cyclohexane	< 50	ppm
Diethyl ether	< 50	ppm	Ethanol	246	ppm
Ethyl Acetate	< 50	ppm	Ethyl benzene	< 25	ppm
Ethyl Ether	< 100	ppm	Ethylene Glycol	< 100	ppm
Ethylene Oxide	< 50	ppm	Formamide	< 50	ppm
Heptane	< 50	ppm	Hexane	< 10	ppm
Isobutane	< 100	ppm	Isobutyl acetate	< 50	ppm
Isopropyl acetate	< 10	ppm	Methanol	< 50	ppm
Methyl Acetate	< 100	ppm	Methylbutyl Ketone	< 25	ppm
Methylene Chloride	< 50	ppm	Methylethyl Ketone	< 50	ppm
Methylisobutyl Ketone	< 100	ppm	N,N-Dimethylacetamide	< 100	ppm
N,N-Dimethylformamide	< 10	ppm	n-Butane	< 100	ppm
Neopentane	< 100	ppm	Nitromethane	< 25	ppm
N-Methylpyrrolidone	< 50	ppm	Pentane	< 50	ppm
Propane	< 100	ppm	Propyl Acetate	< 50	ppm
Pyridine	< 10	ppm	Sulfolane	< 100	ppm
Tert-Butylmethyl Ether	< 50	ppm	Tetrahydrofuran	< 10	ppm
Tetralin	< 10	ppm	Toluene	< 50	ppm
Trichloroethene	< 50	ppm	Xylenes (p-, m-, o-)	< 50	ppm

## Salm.1a: Salmonella via AOAC 081201, 2013.02 (BAX® PCR System) Analyzed 05/05/22

Salmonella spp. Negative /25 g

## STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 05/05/22

Staphylococcus aureus &lt; 10 CFU/g

## STEC.1.a: Shiga toxin (stx) & Intimin (eae) genes via AOAC 091301 (BAX® PCR System, STEC Screen) Analyzed 05/05/22

Shiga toxin-producing E. coli Negative /25 g stx and eae genes Negative /25 g

## YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 05/05/22

Yeast and Mold &lt; 10 CFU/g



## Certificate of Analysis for

Balanced Health Botanicals  
1500 W Hampden Ave, Unit 5G  
Sheridan, CO 80110  
Phone: (833) 215-8482



Received: 5/5/2022 @ 19.4 °C Unwind Synergy THC CBD Gummies  
(4221180)

Report ID 2205160 has been amended as follows: Cannabinoid profile results removed from report at client request.

RPC 5-13-22

Reported By: \_\_\_\_\_

Ryan Connelly, Chemistry Laboratory Manager, 5/13/2022

## LIMITS OF QUANTITATION

### Residual Solvents: ResSolv.2

Analyte	LoQ
(+/-)-2-Butanol	< 10 ppm
1,1-Dichloroethene	< 5 ppm
1,2-Dichloroethane	< 2 ppm
1,4-Dioxane	< 25 ppm
2,2-Dimethylbutane	< 25 ppm
2,3-Dimethylbutane	< 25 ppm
2-Ethoxyethanol	< 75 ppm
2-Methylbutane (Isopentane)	< 75 ppm
2-Methylpentane	< 25 ppm
2-Propanol	< 50 ppm
3-Methylpentane	< 25 ppm
Acetone	< 50 ppm
Acetonitrile	< 50 ppm
Benzene	< 1 ppm
Chloroform	< 10 ppm
Cumene	< 100 ppm
Cyclohexane	< 50 ppm
Diethyl ether	< 50 ppm
Ethanol	< 50 ppm
Nitromethane	< 25 ppm
1,2-Dimethoxyethane	< 10 ppm
Pyridine	< 10 ppm
2-Methoxyethanol	< 50 ppm
Formamide	< 50 ppm
N,N-Dimethylacetamide	< 100 ppm
Ethyl Ether	< 100 ppm
Methyl Acetate	< 100 ppm
Tert-Butylmethyl Ether	< 50 ppm
Methylethyl Ketone	< 50 ppm
Methylbutyl Ketone	< 25 ppm
Methylisobutyl Ketone	< 100 ppm

Analyte	LoQ
Ethyl Acetate	< 50 ppm
Ethyl benzene	< 25 ppm
Ethylene Glycol	< 100 ppm
Ethylene Oxide	< 50 ppm
Heptane	< 50 ppm
Hexane	< 10 ppm
Isobutane	< 100 ppm
Isopropyl acetate	< 10 ppm
Methanol	< 50 ppm
Methylene Chloride	< 50 ppm
N,N-Dimethylformamide	< 10 ppm
n-Butane	< 100 ppm
Neopentane	< 100 ppm
Pentane	< 50 ppm
Propane	< 100 ppm
Tetrahydrofuran	< 10 ppm
Toluene	< 50 ppm
Trichloroethene	< 50 ppm
Xylenes (p-, m-, o-)	< 50 ppm
1-Propanol	< 100 ppm
2-Methyl-1-Propanol	< 100 ppm
1-Butanol	< 50 ppm
Propyl Acetate	< 50 ppm
3-Methyl-1-Butanol	< 100 ppm
Isobutyl Acetate	< 50 ppm
1-Pentanol	< 100 ppm
Butyl Acetate	< 50 ppm
Anisole	< 50 ppm
N-Methylpyrrolidone	< 50 ppm
Tetralin	< 10 ppm
Sulfolane	< 10 ppm



**Pesticides: Pest.1**

Analyte	LoQ
Abamectin (B1a + B1b)	< 0.050 ppm
Acephate	< 0.025 ppm
Acequinocyl	< 0.010 ppm
Acetamiprid	< 0.010 ppm
Aldicarb	< 0.010 ppm
Azoxystrobin	< 0.010 ppm
Bifenazate	< 0.050 ppm
Bifenthrin	< 0.010 ppm
Boscalid	< 0.050 ppm
Carbaryl	< 0.025 ppm
Carbofuran	< 0.025 ppm
Chlorantraniliprole	< 0.025 ppm
Chlorfenapyr	< 0.100 ppm
Chlorpyrifos	< 0.025 ppm
Clofentezine	< 0.010 ppm
Coumaphos	< 0.010 ppm
Cyfluthrin (Baythroid)	< 0.050 ppm
Cypermethrin	< 0.050 ppm
Daminozide	< 0.025 ppm
Diazinon	< 0.010 ppm
Dibrom (Naled)	< 0.050 ppm
Dichlorvos	< 0.050 ppm
Dimethoate	< 0.025 ppm
Dimethomorph	< 0.025 ppm
Ethofenprox	< 0.010 ppm
Ethoprophos (Prophos)	< 0.025 ppm
Etoxazole	< 0.025 ppm
Fenhexamid	< 0.050 ppm
Fenoxycarb	< 0.010 ppm
Fenpyroximate	< 0.025 ppm
Fipronil	< 0.010 ppm
Flonicamid	< 0.025 ppm

Analyte	LoQ
Fludioxonil	< 0.025 ppm
Hexythiazox	< 0.010 ppm
Imazalil	< 0.050 ppm
Imidacloprid	< 0.010 ppm
Kresoxim Methyl	< 0.010 ppm
Malathion	< 0.100 ppm
Metalaxyl	< 0.025 ppm
Methiocarb	< 0.050 ppm
Methomyl	< 0.025 ppm
Oxamyl	< 0.010 ppm
Paclobutrazol	< 0.025 ppm
Permethrins	< 0.010 ppm
Phosdrin (Mevinphos)	< 0.050 ppm
Phosmet	< 0.010 ppm
Piperonyl Butoxide	< 0.010 ppm
Prallethrin	< 0.025 ppm
Propiconazol	< 0.025 ppm
Propoxur	< 0.025 ppm
Pyrethrins	< 0.050 ppm
Pyridaben	< 0.010 ppm
Spinetoram	< 0.025 ppm
Spinosad A	< 0.010 ppm
Spinosad D	< 0.050 ppm
Spiromesifen	< 0.025 ppm
Spirotetramat	< 0.025 ppm
Spiroxamine	< 0.025 ppm
Systhane (Myclobutanil)	< 0.050 ppm
Tebuconazol (Folicur)	< 0.025 ppm
Thiacloprid	< 0.025 ppm
Thiamethoxam	< 0.025 ppm
Trifloxystrobin	< 0.010 ppm

**Heavy Metals: ICPMS.1**

Analyte	LoQ
Arsenic	< 0.020 ppm
Cadmium	< 0.010 ppm
Mercury	< 0.005 ppm
Lead	< 0.005 ppm

**Mycotoxins: Myco.1**

Analyte	LoQ
Aflatoxin B1	< 0.010 ppm
Aflatoxin B2	< 0.010 ppm
Aflatoxin G1	< 0.010 ppm
Aflatoxin G2	< 0.010 ppm
Ochratoxin A	< 0.020 ppm



**Cannabinoids: CBD.1**

Analyte	LoQ
Cannabichromene	< 0.200 mg/g
Cannabicitran	< 0.200 mg/g
Cannabidiol	< 0.100 mg/g
Cannabidiolic Acid	< 0.100 mg/g
Cannabidivarin	< 0.100 mg/g

Analyte	LoQ
Cannabigerol	< 0.100 mg/g
Cannabinol	< 0.100 mg/g
Delta - 9 THC	< 0.0100 %
Delta 9 - THCA	< 0.0100 %
Tetrahydrocannabivarin	< 0.100 mg/g

**Microbials: APC.1a, EC.1a, TC.1a, Y&M.1a, STEC.1.a, Salm.1a, LMono.2**

Analyte	LoQ
APC	< 10 CFU/g
Coliform/E. coli	< 10 CFU/g
Yeast/Mold	< 10 CFU/g

Analyte	LoQ
Salmonella	Negative in 25g
STEC	Negative in 25g
L. monocytogenes	Negative in 10g


Prepared for:


**Unwind Synergy THC CBD Gummies**
**Balanced Health Botanicals**

Batch ID or Lot Number: <b>4221180</b>	Test: <b>Potency</b>	Reported: <b>5/12/22</b>	Location: 1500 W Hampden Suite 5H Englewood, CO 80110
Matrix: Unit	Test ID: T000206350	Started: 5/10/22	USDA License: N/A
Status: Active	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis	Received: 05/09/2022 @ 09:23 AM	Sampler ID: N/A

**CANNABINOID PROFILE**

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.555	1.619	ND	ND	# of Servings = 1 Sample Weight=2.852g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.627	1.828	4.982	1.75	
Cannabidiolic acid (CBDA)	0.575	1.891	ND	ND	
Cannabidiol (CBD)	0.561	1.844	29.026	10.18	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.690	2.012	<LOQ	0.52	
Cannabinolic Acid (CBNA)	0.395	1.152	ND	ND	
Cannabinol (CBN)	0.181	0.527	<LOQ	0.12	
Cannabigerolic acid (CBGA)	0.579	1.689	ND	ND	
Cannabigerol (CBG)	0.139	0.404	2.392	0.84	
Tetrahydrocannabivarinic Acid (THCVA)	0.490	1.428	ND	ND	
Tetrahydrocannabivarin (THCV)	0.126	0.368	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.240	0.789	ND	ND	
Cannabidivarin (CBDV)	0.133	0.436	<LOQ	0.15	
Cannabichromenic Acid (CBCA)	0.223	0.651	ND	ND	
Cannabichromene (CBC)	0.244	0.712	2.270	0.80	
<b>Total Cannabinoids</b>			<b>40.936</b>	<b>14.36</b>	
Total Potential THC**			4.982	1.75	
Total Potential CBD**			29.026	10.18	


 Ryan Weems  
 12-May-22  
 4:17 PM


 Jacob Miller  
 12-May-22  
 4:22 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

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

\*\* 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