botanacor

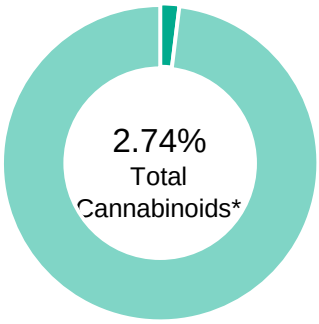
CERTIFICATE OF ANALYSIS

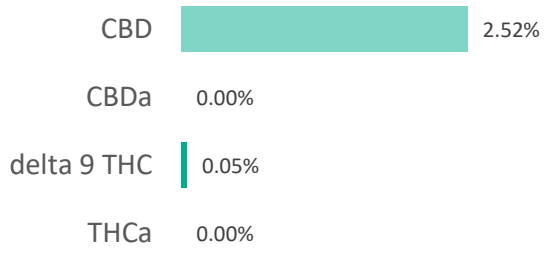
prepared for: GLACIERPAK LLC
1070 DIAMOND VALLEY DRIVE, SUITE 200
WINDSOR, CO 80550

Lip Balm - Mango

Batch ID:	BR-104-B04-01-200213-02	**Test ID:**	9418379.0057
Reported:	15-May-2020	**Method:**	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.02	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.05	0.5
Cannabidiolic acid (CBDA)	0.02	ND	ND
Cannabidiol (CBD)	0.01	2.52	25.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.01	ND	ND
Cannabinolic Acid (CBNA)	0.02	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.02	ND	ND
Cannabigerol (CBG)	0.01	0.05	0.5
Tetrahydrocannabivarinic Acid (THCVA)	0.01	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.01	ND	ND
Cannabichromene (CBC)	0.02	0.12	1.2
Total Cannabinoids		**2.74**	**27.40**
Total Potential THC**		0.05	0.50
Total Potential CBD**		2.52	25.20

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

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

** 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))

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

NOTES:
N/A

FINAL APPROVAL

Tyler Wiese
15-May-2020
4:38 PM

PREPARED BY / DATE

Greg Zimpfer
15-May-2020
5:14 PM

APPROVED BY / DATE

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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

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Certificate #4329.02

 | 1301 S Jason St Unit K, Denver, CO 80223 | 888.800.8223 | www.botanacor.com

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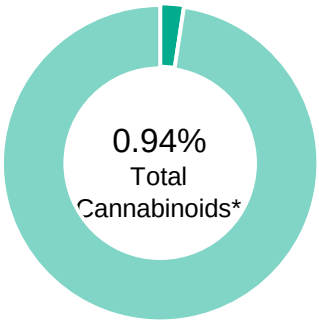
CERTIFICATE OF ANALYSIS

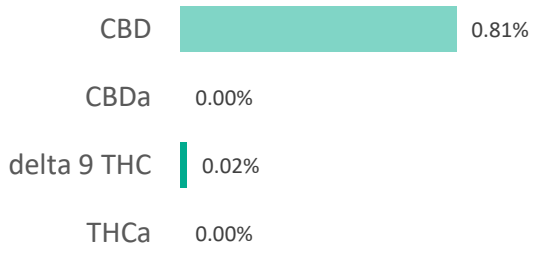
prepared for: GLACIERPAK LLC
1070 DIAMOND VALLEY DRIVE, SUITE 200
WINDSOR, CO 80550

Coconut Hand + Body Lotion

Batch ID:	BR-104-L04-08-200213-01	**Test ID:**	9418379.0060
Reported:	15-May-2020	**Method:**	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.02	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.02	0.2
Cannabidiolic acid (CBDA)	0.02	ND	ND
Cannabidiol (CBD)	0.01	0.81	8.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.01	ND	ND
Cannabinolic Acid (CBNA)	0.02	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.01	ND	ND
Cannabigerol (CBG)	0.01	0.08	0.8
Tetrahydrocannabivarinic Acid (THCVA)	0.01	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.01	ND	ND
Cannabichromene (CBC)	0.01	0.03	0.3
Total Cannabinoids		**0.94**	**9.44**
Total Potential THC**		0.02	0.20
Total Potential CBD**		0.81	8.10

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

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

** 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))

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

NOTES:
N/A

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Certificate #4329.02

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Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

ICAL ID: 20200617-014
Sample: CA200624-013-049
Broad Spectrum Distillate Batch #EGB16320A
Strain: Broad Spectrum Distillate Batch #EGB16320A
Category: Concentrates & Extracts

3rdPartyLabResults.com
Lic. #
None
San Diego, CA 92121

Lic. #

Batch#: #EGB16320A
Primary Size:
Batch Size:
Collected: 06/24/2020; Received: 06/24/2020
Completed: 06/24/2020

Moisture	Total THC	Total CBD	Total Cannabinoids	Total Terpenes
NT	**ND**	**92.25%**	**98.63%**	**NT**
Water Activity				
NT				

Summary	SOP Used	Date Tested	
Batch			Pass
Cannabinoids	SOP:POT-E001-Extract	06/17/2020	Complete
Residual Solvents	SOP:Inhalable	06/17/2020	Pass
Microbials	SOP:qpcrone	06/19/2020	Pass
Pesticides	PEST.002.Extract	06/17/2020	Pass
Heavy Metals	SOP:HM001	06/17/2020	Pass

Scan to see results

Cannabinoid Profile

Analyte	LOQ	LOD	%	mg/g
THCa	0.03	0.02	ND	ND
Δ9-THC	0.03	0.02	ND	ND
Δ8-THC	0.03	0.02	ND	ND
THCV	0.03	0.02	ND	ND
CBDa	0.03	0.02	ND	ND
CBD	0.03	0.02	92.25	922.5

Analyte	LOQ	LOD	%	mg/g
CBDV	0.03	0.02	0.71	7.1
CBN	0.03	0.02	ND	ND
CBGa	0.03	0.02	ND	ND
CBG	0.03	0.02	5.68	56.8
CBC	0.03	0.02	ND	ND
Total THC			**ND**	**ND**
Total CBD			**92.25**	**922.5**
Total			**98.63**	**986.3**

Total THC=THCa * 0.877 + d9-THC;Total CBD = CBDa * 0.877 + CBD; NR= Not Reported, ND= Not Detected, *Reported by Dry Mass*; *analytical instrumentation used Cannabinoids:UHPLC-DAD, Moisture:Mass by Drying,Water Activity:Water Activity Meter, Foreign Material:Microscope* *Density tested at a temperature range between 19-24 °C, *Water Activity tested at a humidity range between 0-90% Relative Humidity. All QA samples are sampled by the client, All California State Compiant samples sampled using SAMPL-SOP-001

Terpene Profile

Analyte	LOQ	LOD	%	mg/g

Analyte	LOQ	LOD	%	mg/g

NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Quantification (LOQ), *analytical instrumentation used:HS-GC-MS*

Infinite Chemical Analysis Labs
8380 Miramar Mall #102
San Diego, CA
(858) 623-2740
www.infiniteCAL.com
Lic# C8-0000019-LIC

Josh M Swider

Josh Swider
Lab Director, Managing Partner
06/24/2020

Certificate of Analysis

ICAL ID: 20200617-014
Sample: CA200624-013-049
Broad Spectrum Distillate Batch #EGB16320A
Strain: Broad Spectrum Distillate Batch #EGB16320A
Category: Concentrates & Extracts

3rdPartyLabResults.com
Lic. #
None
San Diego, CA 92121

Lic. #

Batch#: #EGB16320A
Primary Size:
Batch Size:
Collected: 06/24/2020; Received: 06/24/2020
Completed: 06/24/2020

Residual Solvent Analysis

Category 1		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	ND	1	0.5	1	Pass
Benzene	ND	1	0.5	1	Pass
Chloroform	ND	1	0.5	1	Pass
Ethylene Oxide	ND	1	0.5	1	Pass
Methylene-Chloride	ND	1	0.5	1	Pass
Trichloroethene	ND	1	0.5	1	Pass

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Acetone	ND	300	200	5000	Pass
Acetonitrile	ND	150	100	410	Pass
Butane	ND	300	200	5000	Pass
Ethanol	ND	300	200	5000	Pass
Ethyl-Acetate	ND	300	200	5000	Pass
Ethyl-Ether	ND	300	200	5000	Pass
Heptane	ND	300	200	5000	Pass

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
n-Hexane	ND	35	20	290	Pass
Isopropanol	ND	300	200	5000	Pass
Methanol	ND	300	200	3000	Pass
Pentane	ND	300	200	5000	Pass
Propane	ND	300	200	5000	Pass
Toluene	ND	150	100	890	Pass
Xylenes	ND	150	100	2170	Pass

NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Quantification (LOQ) ,*analytical instrumentation used=HS-GC-MS*

Heavy Metal Screening

		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	ND	0.048	0.016	0.2	Pass
Cadmium	ND	0.012	0.004	0.2	Pass
Lead	<LOQ	0.011	0.004	0.5	Pass
Mercury	ND	0.033	0.011	0.1	Pass

NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Quantification (LOQ) , *analytical instrumentation used:ICP-MS*

Microbiological Screening

	Result	Status
Aspergillus flavus	Not Detected	Pass
Aspergillus fumigatus	Not Detected	Pass
Aspergillus niger	Not Detected	Pass
Aspergillus terreus	Not Detected	Pass
shiga toxin-producing E. coli	Not Detected	Pass
Salmonella SPP	Not Detected	Pass

ND=Not Detected; *analytical instrumentation used:qPCR*

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Josh M Swider

Josh Swider
Lab Director, Managing Partner
06/24/2020

Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

ICAL ID: 20200617-014
Sample: CA200624-013-049
Broad Spectrum Distillate Batch #EGB16320A
Strain: Broad Spectrum Distillate Batch #EGB16320A
Category: Concentrates & Extracts

3rdPartyLabResults.com
Lic. #
None
San Diego, CA 92121

Lic. #

Batch#: #EGB16320A
Primary Size:
Batch Size:
Collected: 06/24/2020; Received: 06/24/2020
Completed: 06/24/2020

Chemical Residue Screening

Category 1		LOQ	LOD	Status
	µg/g	µg/g	µg/g	
Aldicarb	ND	0.05	0.03	Pass
Carbofuran	ND	0.05	0.03	Pass
Chlordane	ND	0.1	0.05	Pass
Chlorfenapyr	ND	0.1	0.05	Pass
Chlorpyrifos	ND	0.05	0.03	Pass
Coumaphos	ND	0.05	0.03	Pass
Daminozide	ND	0.05	0.03	Pass
Dichlorvos	ND	0.05	0.03	Pass
Dimethoate	ND	0.05	0.03	Pass
Ethoprophos	ND	0.05	0.03	Pass
Etofenprox	ND	0.05	0.03	Pass
Fenoxycarb	ND	0.05	0.03	Pass
Fipronil	ND	0.05	0.03	Pass
Imazalil	ND	0.05	0.03	Pass
Methiocarb	ND	0.05	0.03	Pass
Parathion Methyl	ND	0.1	0.05	Pass
Mevinphos	ND	0.05	0.03	Pass
Paclobutrazol	ND	0.05	0.03	Pass
Propoxur	ND	0.05	0.03	Pass
Spiroxamine	ND	0.05	0.03	Pass
Thiacloprid	ND	0.05	0.03	Pass

Mycotoxins	LOQ	LOD	Limit	Status

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Abamectin	ND	0.05	0.03	0.1	Pass
Acephate	ND	0.05	0.03	0.1	Pass
Acequinocyl	ND	0.05	0.03	0.1	Pass
Acetamiprid	ND	0.05	0.03	0.1	Pass
Azoxystrobin	ND	0.05	0.03	0.1	Pass
Bifenazate	ND	0.05	0.03	0.1	Pass
Bifenthrin	ND	0.25	0.1	3	Pass
Boscalid	ND	0.05	0.03	0.1	Pass
Captan	ND	0.35	0.2	0.7	Pass
Carbaryl	ND	0.05	0.03	0.5	Pass
Chlorantraniliprole	ND	0.05	0.03	10	Pass
Clofentezine	ND	0.05	0.03	0.1	Pass
Cyfluthrin	ND	0.35	0.25	2	Pass
Cypermethrin	ND	0.35	0.2	1	Pass
Diazinon	ND	0.05	0.03	0.1	Pass
Dimethomorph	ND	0.05	0.03	2	Pass
Etoxazole	ND	0.05	0.03	0.1	Pass
Fenhexamid	ND	0.05	0.03	0.1	Pass
Fenpyroximate	ND	0.05	0.03	0.1	Pass
Flonicamid	ND	0.05	0.03	0.1	Pass
Fludioxonil	ND	0.05	0.03	0.1	Pass
Hexythiazox	ND	0.05	0.03	0.1	Pass
Imidacloprid	ND	0.35	0.1	5	Pass

Category 2		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Kresoxim Methyl	ND	0.05	0.03	0.1	Pass
Malathion	ND	0.05	0.03	0.5	Pass
Metalaxyl	ND	0.05	0.03	2	Pass
Methomyl	ND	0.05	0.03	1	Pass
Myclobutanil	ND	0.05	0.03	0.1	Pass
Naled	ND	0.1	0.05	0.1	Pass
Oxamyl	ND	0.2	0.1	0.5	Pass
Pentachloronitrobenzene	ND	0.1	0.05	0.1	Pass
Permethrin	ND	0.25	0.1	0.5	Pass
Phosmet	ND	0.05	0.03	0.1	Pass
Piperonyl Butoxide	ND	0.25	0.1	3	Pass
Prallethrin	ND	0.05	0.03	0.1	Pass
Propiconazole	ND	0.05	0.03	0.1	Pass
Pyrethrins	ND	0.25	0.1	0.5	Pass
Pyridaben	ND	0.05	0.03	0.1	Pass
Spinetoram	ND	0.05	0.03	0.1	Pass
Spinosad	ND	0.05	0.03	0.1	Pass
Spiromesifen	ND	0.05	0.03	0.1	Pass
Spirotetramat	ND	0.05	0.03	0.1	Pass
Tebuconazole	ND	0.05	0.03	0.1	Pass
Thiamethoxam	ND	0.25	0.1	5	Pass
Trifloxystrobin	ND	0.05	0.03	0.1	Pass

Unknown Analyte(s):

NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Quantification (LOQ) , *analytical instrumentation used:LC-MSMS & GC-MSMS*

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Lic# C8-0000019-LIC

Josh M Swider

Josh Swider
Lab Director, Managing Partner
06/24/2020

CERTIFICATE OF ANALYSIS
ISO/IEC 17025:2017 ACCREDITATION #103104

Order #: 52947
Order Name: CBG Isolate IG200420
Batch#: IG200420
Received: 04/22/2020
Completed: 04/28/2020

Global Cannabinoids
6445 S Tenaya Way Unit 120
Las Vegas NV, 89113
(719) 220-4111
formulation@globalcannabinoids.io

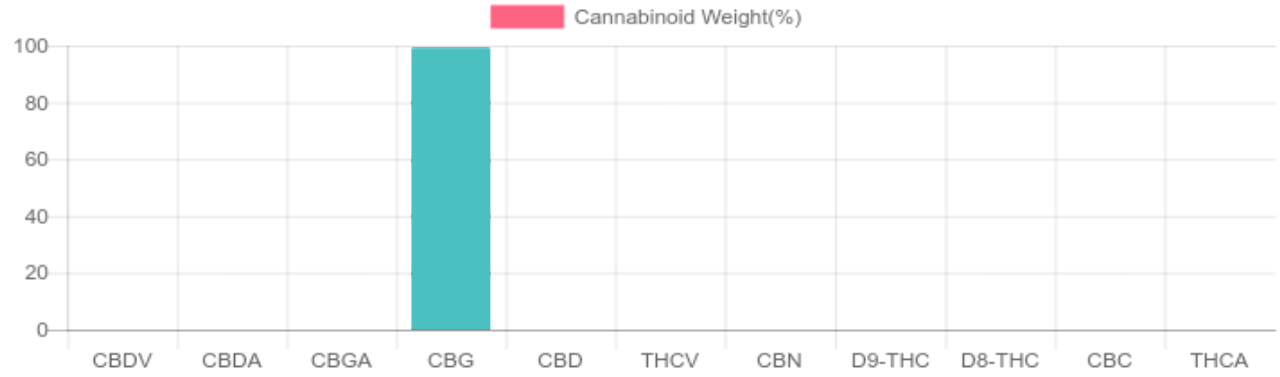
Sample

N/D	N/D
D9-THC	Total CBD

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA
GSL SOP 400 **PREPARED:** 04/23/2020 16:30:32

Cannabinoids	LOQ	weight(%)	mg/g
D9-THC	10 PPM	N/D	N/D
THCA	10 PPM	N/D	N/D
CBD	10 PPM	N/D	N/D
CBDA	20 PPM	N/D	N/D
CBDV	20 PPM	N/D	N/D
CBC	10 PPM	N/D	N/D
CBN	10 PPM	N/D	N/D
CBG	10 PPM	**99.2**%	**992.3**
CBGA	20 PPM	N/D	N/D
D8-THC	10 PPM	N/D	N/D
THCV	10 PPM	N/D	N/D
TOTAL D9-THC		**N/D**	**N/D**
TOTAL CBD*		**N/D**	**N/D**
TOTAL CANNABINOIDS		**99.2%**	**992.3**



Reporting Limit 1000 ppm
*Total CBD = CBD + CBDA x 0.877
N/D - Not Detected, B/LOQ - Below Limit of Quantification

Dr. Andrew Hall, Ph.D.,Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

Green Scientific Labs
info@greenscientificlabs.com
1-833 TEST CBD

CERTIFICATE OF ANALYSIS
ISO/IEC 17025:2017 ACCREDITATION #103104

Order #: 52947
Order Name: CBG Isolate IG200420
Batch#: IG200420
Received: 04/22/2020
Completed: 04/28/2020

Global Cannabinoids
6445 S Tenaya Way Unit 120
Las Vegas NV, 89113
(719) 220-4111
formulation@globalcannabinoids.io

PESTICIDE ANALYSIS:

GSL SOP 401 **PREPARED:** 04/24/2020 14:10:21

LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.001
ACEPHATE	0.100	N/D	0.001	0.001
ACEQUINOCYL	0.100	N/D	0.001	0.001
ACETAMIPRID	0.100	N/D	0.005	0.001
ALDICARB	0.100	N/D	0.005	0.001
AZOXYSTROBIN	0.100	N/D	0.001	0.001
BIFENAZATE	0.100	N/D	0.005	0.001
BIFENTHRIN	3.000	N/D	0.005	0.001
BOSCALID	0.100	N/D	0.005	0.001
CARBARYL	0.500	N/D	0.003	0.001
CARBOFURAN	0.100	N/D	0.001	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005
CHLORPYRIFOS	0.100	N/D	0.001	0.001
CLOFENTEZINE	0.100	N/D	0.001	0.001
DAMINOZIDE	0.100	N/D	0.005	0.001
DIAZINON	0.100	N/D	0.001	0.001
DICHLORVOS	0.100	N/D	0.005	0.001
DIMETHOATE	0.100	N/D	0.001	0.001
DIMETHOMORPH	2.000	N/D	0.005	0.001
ETHOPROPHOS	0.100	N/D	0.001	0.001
ETOFENPROX	0.100	N/D	0.001	0.001
ETOXAZOLE	0.100	N/D	0.010	0.005
FENHEXAMID	0.100	N/D	0.005	0.001
FENOXYCARB	0.100	N/D	0.005	0.001
FENPYROXIMATE	0.100	N/D	0.001	0.001
FIPRONIL	0.100	N/D	0.003	0.001
FLONICAMID	0.100	N/D	0.025	0.010
FLUDIOXONIL	0.100	N/D	0.003	0.001
HEXYTHIAZOX	0.100	N/D	0.005	0.001
IMAZALIL	0.100	N/D	0.005	0.001

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
IMIDACLOPRID	5.000	N/D	0.005	0.001
KRESOXIM-METHYL	0.100	N/D	0.010	0.005
MALATHION	0.500	N/D	0.005	0.001
METALAXYL	2.000	N/D	0.001	0.001
METHIOCARB	0.100	N/D	0.005	0.001
METHOMYL	1.000	N/D	0.001	0.001
MEVINPHOS	0.100	N/D	0.001	0.001
MYCLOBUTANIL	0.100	N/D	0.005	0.001
NALED	0.100	N/D	0.005	0.001
OXAMYL	0.500	N/D	0.001	0.001
PACLOBUTRAZOL	0.100	N/D	0.005	0.001
PERMETHRINS	0.500	N/D	0.005	0.001
PHOSMET	0.100	N/D	0.005	0.001
PIPERONYL BUTOXIDE	3.000	N/D	0.001	0.001
PRALLETHRIN	0.100	N/D	0.005	0.005
PROPICONAZOLE	0.100	N/D	0.010	0.005
PROPOXUR	0.100	N/D	0.001	0.001
PYRETHRINS (PYRETHRIN I)	0.500	N/D	0.005	0.005
PYRIDABEN	0.100	N/D	0.005	0.001
SPINETORAM	0.100	N/D	0.001	0.001
SPINOSAD	0.100	N/D	0.001	0.001
SPIROMESIFEN	0.100	N/D	0.005	0.001
SPIROTETRAMAT	0.100	N/D	0.001	0.001
SPIROXAMINE	0.100	N/D	0.001	0.001
TEBUCONAZOLE	0.100	N/D	0.005	0.001
THIACLOPRID	0.100	N/D	0.001	0.001
THIAMETHOXAM	5.000	N/D	0.001	0.001
TRIFLOXYSTROBIN	0.100	N/D	0.001	0.001

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level

Dr. Andrew Hall, Ph.D.,Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

Green Scientific Labs
info@greenscientificlabs.com
1-833 TEST CBD

CERTIFICATE OF ANALYSIS
ISO/IEC 17025:2017 ACCREDITATION #103104

Order #: 52947
Order Name: CBG Isolate IG200420
Batch#: IG200420
Received: 04/22/2020
Completed: 04/28/2020

Global Cannabinoids
6445 S Tenaya Way Unit 120
Las Vegas NV, 89113
(719) 220-4111
formulation@globalcannabinoids.io

RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ACETONE	5,000	N/D	140	20
ACETONITRILE	410	N/D	25	1
BENZENE	1	N/D	1	0.5
BUTANE	5,000	N/D	50	10
CHLOROFORM	1	N/D	1	0.5
CIS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
ETHANOL	5,000	N/D	140	20
ETHYL ACETATE	5,000	N/D	140	20
ETHYL ETHER	5,000	N/D	140	20
ETHYLENE OXIDE	1	N/D	0	0
ISOPROPYL ALCOHOL	5,000	N/D	140	20
METHANOL	3,000	N/D	100	20
METHYLENE CHLORIDE	125	N/D	0.15	0.15
N-HEPTANE	5,000	N/D	140	20
N-HEXANE	290	N/D	18	10
PENTANE	5,000	B/LOQ	140	20
PROPANE	5,000	N/D	20	1
TOLUENE	890	N/D	53	1
TRANS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
TRICHLOROETHENE	1	N/D	1	0.5
XYLENES	150	N/D	130	20

Dr. Andrew Hall, Ph.D.,Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

Green Scientific Labs
info@greenscientificlabs.com
1-833 TEST CBD

PJLA Testing
Accreditation #103104

CERTIFICATE OF ANALYSIS
ISO/IEC 17025:2017 ACCREDITATION #103104

Order #: 52947
Order Name: CBG Isolate IG200420
Batch#: IG200420
Received: 04/22/2020
Completed: 04/28/2020

Global Cannabinoids
6445 S Tenaya Way Unit 120
Las Vegas NV, 89113
(719) 220-4111
formulation@globalcannabinoids.io

Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 04/27/2020 17:46:45

Metal	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	200	B/LOQ
CADMIUM (CD)	200	B/LOQ
MERCURY (HG)	100	B/LOQ
LEAD (PB)	500	B/LOQ

Lower Limit of Quantitation (LOQ) is 75 ppb

Dr. Andrew Hall, Ph.D.,Chief Scientific Officer

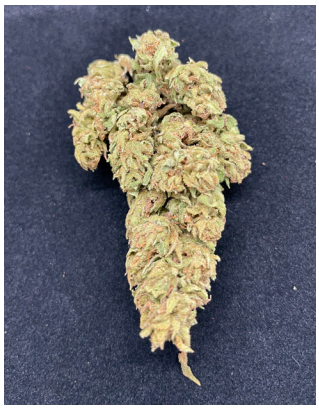
Ben Witten, MS, MT., Lab Director

Green Scientific Labs
info@greenscientificlabs.com
1-833 TEST CBD

Certificate of Analysis

LC-20201008-680

White CBG, Hemp Flower (Lot: 01)



Golden Hour Hemp
14407 NE 199th Street
St Waldo, FL 32694
License Number: 12_491ba078

Order ID#: 20201008-288

Lab Code#:	LC-20201008-680	Planting date:	1-Aug-2020
Product Type:	Hemp Flower	Sample date:	8-Oct-2020
Lot designation:	01	Sample received:	8-Oct-2020
# of clippings:	4	Completed:	12-Oct-2020
Initial Weight (g):	42.45	Report expires:	12-Oct-2021

CANNABINOIDS

Analysis Batch: WO-20100904
Analysis Date: Friday, October 09, 2020
Test Method: SOP 6.6
Instrument: Agilent HPLC, Instrument 33

Analyte	% [a]	mg/g	MU Range (%)
THCA-A	ND	ND	ND
Δ9-THC	0.0832	0.8323	0.037 - 0.129
CBDA	ND	ND	ND
CBD	ND	ND	ND
CBN	ND	ND	ND
CBDV	ND	ND	ND
Δ8-THC	ND	ND	ND
THCV	ND	ND	ND
CBG	3.37	33.68	3.314 - 3.422
CBGA	6.50	65.01	6.422 - 6.58
CBC	0.206	2.064	0.128 - 0.284
Total:	**10.2**	**101.6**	

[a] Detection Level = 0.03% by dry-weight.

[b] THC is calculated as %THC + (%THCA × 0.877). MU_{THC} = ±0.046%

[c] CBG is calculated as %CBG + (%CBGA × 0.877).

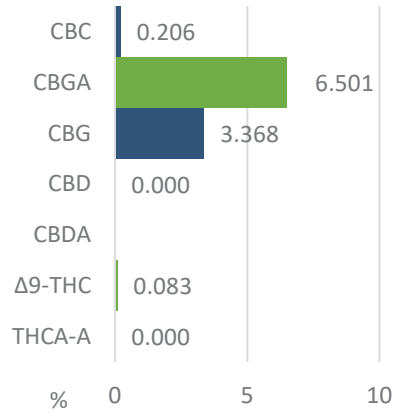
[d] The absolute sum of all cannabinoids above the level of detection.

Total THC [b]
0.083%
PASS

Total CBG [c]
9.07%

TOTAL [d]
10.2%

Potency Profile



MOISTURE

4.1%

Analysis Date: 9-Oct-2020
Test Method: SOP 6.6
Instrument: E15

Comments:

None.

Authorization

Digitally signed by Steven Perez
DN: cn=Steven Perez, o=ADPEN Laboratories, Inc., ou, email=sp@adpen.com, c=US
Date: 2020.10.12 17:46:24 -04'00'

Steven Perez, CEO/Technical Director
Approval Date: 12-Oct-2020

ND=Not Detected, NT=Not Tested, ppm=Parts Per Million, ppb=Parts Per Billion, MU=Measurement Uncertainty. Limit of Detection (LOD) and Limit of Quantitation (LOQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure.

- end of report -

11757 Central Parkway | Jacksonville, FL 32224
(904) 549-5948 | www.americannalaboratories.com

Ag Marvels
1955 E Walton
Shepherd, MI 48883
mklumpp@agmarvels.com
(989) 828-7403

Sample: 2007AIT0177.0470
Strain: N/A
Batch#: ; Batch Size: g
Sample Received: 07/07/2020; Report Created: 07/09/2020

CBN Isolate 2011
Concentrates & Extracts, Cannabinoid Isolate

<LOQ	<LOQ	98.804%
Total THC	Total CBD	Total Cannabinoids

Cannabinoids
Date Tested: 07/08/2020

Analytes	%	mg/g	LOQ
THCa	<LOQ	<LOQ	0.001
Δ9-THC	<LOQ	<LOQ	0.001
Δ8-THC	<LOQ	<LOQ	0.001
CBDa	<LOQ	<LOQ	0.001
CBD	<LOQ	<LOQ	0.001
CBDV	<LOQ	<LOQ	0.001
CBN	98.804	988.04	0.001
CBGa	<LOQ	<LOQ	0.001
CBG	<LOQ	<LOQ	0.001
CBC	<LOQ	<LOQ	0.001

Total THC = THCa * 0.877 + Δ9-THC
Total CBD = CBDa * 0.877 + CBD
LOQ = Limit of Quantitation
Total Cannabinoids represents the sum of all cannabinoids in the table above

Summary

Pass	Not Tested	Pass
Residual Solvents	*NT* Terpenes	Pesticides
Not Tested	**Pass**	**Not Tested**
Mycotoxins	Heavy Metals	Moisture

4150 98th Ave S
Fargo, ND
(888) 897-4367
www.hempinspection.com

Ben Gaboury
Senior Analytical Chemist

Ag Marvels
1955 E Walton
Shepherd, MI 48883
mklumpp@agmarvels.com
(989) 828-7403

Sample: 2007AIT0177.0470
Strain: N/A
Batch#: ; Batch Size: g
Sample Received: 07/07/2020; Report Created: 07/09/2020

CBN Isolate 2011
Concentrates & Extracts, Cannabinoid Isolate

Heavy Metals

Pass

Date Tested: 07/09/2020

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Arsenic	0.10	1.50	<LOQ	Pass
Cadmium	0.10	0.50	<LOQ	Pass
Lead	0.10	0.50	<LOQ	Pass
Mercury	0.10	3.00	<LOQ	Pass

Method: ICPMS

Ag Marvels
1955 E Walton
Shepherd, MI 48883
mklumpp@agmarvels.com
(989) 828-7403

Sample: 2007AIT0177.0470
Strain: N/A
Batch#: ; Batch Size: g
Sample Received: 07/07/2020; Report Created: 07/09/2020

CBN Isolate 2011
Concentrates & Extracts, Cannabinoid Isolate

Pesticides

Pass

Date Tested: 07/08/2020

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Abamectin	0.01	0.50	<LOQ	Pass
Acephate	0.01	0.40	<LOQ	Pass
Acequinocyl	0.01	2.00	<LOQ	Pass
Acetamiprid	0.01	0.20	<LOQ	Pass
Aldicarb	0.01	0.40	<LOQ	Pass
Azoxystrobin	0.01	0.20	<LOQ	Pass
Bifenazate	0.01	0.20	<LOQ	Pass
Bifenthrin	0.01	0.20	<LOQ	Pass
Boscalid	0.01	0.40	<LOQ	Pass
Carbaryl	0.01	0.20	<LOQ	Pass
Carbofuran	0.01	0.20	<LOQ	Pass
Chlorantraniliprole	0.01	0.20	<LOQ	Pass
Chlorfenapyr	0.01	1.00	<LOQ	Pass
Chlorpyrifos	0.01	0.20	<LOQ	Pass
Clofentezine	0.01	0.20	<LOQ	Pass
Cyfluthrin	0.01	1.00	<LOQ	Pass
Cypermethrin	0.01	1.00	<LOQ	Pass
Daminozide	0.01	1.00	<LOQ	Pass
DDVP	0.01	1.00	<LOQ	Pass
Diazinon	0.01	0.20	<LOQ	Pass
Dimethoate	0.01	0.20	<LOQ	Pass
Ethoprophos	0.01	0.20	<LOQ	Pass
Etofenprox	0.01	0.40	<LOQ	Pass
Etoxazole	0.01	0.20	<LOQ	Pass
Fenoxycarb	0.01	0.20	<LOQ	Pass

Methods: LCMS and GCMS

Ag Marvels
1955 E Walton
Shepherd, MI 48883
mklumpp@agmarvels.com
(989) 828-7403

Sample: 2007AIT0177.0470
Strain: N/A
Batch#: ; Batch Size: g
Sample Received: 07/07/2020; Report Created: 07/09/2020

CBN Isolate 2011
Concentrates & Extracts, Cannabinoid Isolate

Pesticides

Pass

Date Tested: 07/08/2020

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Fenpyroximate	0.01	0.40	<LOQ	Pass
Fipronil	0.01	0.40	<LOQ	Pass
Flonicamid	0.01	1.00	<LOQ	Pass
Fludioxonil	0.01	0.40	<LOQ	Pass
Hexythiazox	0.01	1.00	<LOQ	Pass
Imazalil	0.01	0.20	<LOQ	Pass
Imidacloprid	0.01	0.40	<LOQ	Pass
Kresoxim Methyl	0.01	0.40	<LOQ	Pass
Malathion	0.01	0.20	<LOQ	Pass
Metalaxyl	0.01	0.20	<LOQ	Pass
Methiocarb	0.01	0.20	<LOQ	Pass
Methomyl	0.01	0.40	<LOQ	Pass
Methyl Parathion	0.01	0.20	<LOQ	Pass
MGK-264	0.01	0.20	<LOQ	Pass
Myclobutanil	0.01	0.20	<LOQ	Pass
Naled	0.01	0.50	<LOQ	Pass
Oxamyl	0.01	1.00	<LOQ	Pass
Paclobutrazol	0.01	0.40	<LOQ	Pass
Permethrins	0.01	0.20	<LOQ	Pass
Phosmet	0.01	0.20	<LOQ	Pass
Piperonyl Butoxide	0.01	2.00	<LOQ	Pass
Prallethrin	0.01	0.20	<LOQ	Pass
Propiconazole	0.01	0.40	<LOQ	Pass
Propoxur	0.01	0.20	<LOQ	Pass
Pyrethrins	0.01	1.00	<LOQ	Pass

Methods: LCMS and GCMS

Ag Marvels
1955 E Walton
Shepherd, MI 48883
mklumpp@agmarvels.com
(989) 828-7403

Sample: 2007AIT0177.0470
Strain: N/A
Batch#: ; Batch Size: g
Sample Received: 07/07/2020; Report Created: 07/09/2020

CBN Isolate 2011
Concentrates & Extracts, Cannabinoid Isolate

Pesticides

Pass

Date Tested: 07/08/2020

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Pyridaben	0.01	0.20	<LOQ	Pass
Spinosad	0.01	0.20	<LOQ	Pass
Spiromesifen	0.01	0.20	<LOQ	Pass
Spirotetramat	0.01	0.20	<LOQ	Pass
Spiroxamine	0.01	0.40	<LOQ	Pass
Tebuconazole	0.01	0.40	<LOQ	Pass
Thiacloprid	0.01	0.20	<LOQ	Pass
Thiamethoxam	0.01	0.20	<LOQ	Pass
Trifloxystrobin	0.01	0.20	<LOQ	Pass

Methods: LCMS and GCMS

Ben Gaboury
Senior Analytical Chemist

Ag Marvels

1955 E Walton
Shepherd, MI 48883
mklumpp@agmarvels.com
(989) 828-7403

Sample: 2007AIT0177.0470

Strain: N/A
Batch#: ; Batch Size: g
Sample Received: 07/07/2020; Report Created: 07/09/2020

CBN Isolate 2011

Concentrates & Extracts, Cannabinoid Isolate

Residual Solvents

Pass

Date Tested: 07/08/2020

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
1,4-Dioxane	71.250	380.000	<LOQ	Pass
2-Butanol	437.500	5000.000	<LOQ	Pass
2-Ethoxy-Ethanol	30.000	160.000	<LOQ	Pass
2-Propanol IPA	437.500	5000.000	<LOQ	Pass
Acetone	437.500	5000.000	<LOQ	Pass
Acetonitrile	76.880	410.000	<LOQ	Pass
Benzene	0.375	2.000	<LOQ	Pass
Butanes	156.300	5000.000	<LOQ	Pass
Cumene	13.130	70.000	<LOQ	Pass
Cyclohexane	727.500	3880.000	<LOQ	Pass
Dichloromethane	112.500	600.000	<LOQ	Pass
Ethanol	437.500	5000.000	<LOQ	Pass
Ethyl-Acetate	437.500	5000.000	<LOQ	Pass
Ethyl-Ether	437.500	5000.000	<LOQ	Pass
Ethylene Glycol	116.300	620.000	<LOQ	Pass
Ethylene Oxide	9.375	50.000	<LOQ	Pass
Heptane	437.500	5000.000	<LOQ	Pass
Hexanes	52.200	290.000	171.200	Pass
Isopropyl-Acetate	437.500	5000.000	<LOQ	Pass
Methanol	312.500	3000.000	<LOQ	Pass
Pentanes	52.200	5000.000	170.100	Pass
Propane	31.250	5000.000	<LOQ	Pass
Tetrahydrofuran	135.000	720.000	<LOQ	Pass
Toluene	166.900	890.000	<LOQ	Pass
Xylenes	1221.000	2170.000	<LOQ	Pass

Method: GCMS (Headspace)

ACS LABORATORY | CANNABIS & HEMP BEYOND COMPLIANCE
721 Cortaro Dr.
Sun City Center, FL 33573
www.acslabcannabis.com

License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Berry Blossom
Sample Matrix: CBD/HEMP Flower & Plants (Inhalation - Heated)

Certificate of Analysis

R&D

GOLDEN HOUR HEMP
14407 NE 199TH ST
WALDO, FL 32694

Batch # 4
Batch Date: 2021-02-17
Extracted From: Flower

Test Reg State: Florida

Production Facility: Golden Hour Hemp
Production Date: 2021-02-17

Order # GOL210217-030012
Order Date: 2021-02-17
Sample # AAAZ843

Sampling Date: 2021-02-18
Lab Batch Date: 2021-02-18
Completion Date: 2021-02-22

Initial Gross Weight: 3.999 g

Product Image

Potency
Tested

Potency - 11

Tested
(HPLC/LCMS)

Specimen Weight: 198.470 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBDA	15.000	0.00001	0.001	99.040	9.904
CBD	15.000	0.000054	0.001	8.144	0.814
THCA-A	15.000	0.000032	0.001	3.081	0.308
CBGA	15.000	0.00008	0.001	1.972	0.197
Delta-9 THC	15.000	0.000013	0.001	0.918	0.092
CBC	15.000	0.000018	0.001	0.671	0.067
CBG	15.000	0.000248	0.001	0.357	0.036
Delta-8 THC	15.000	0.000026	0.001		<LOQ
THCV	15.000	0.000007	0.001		<LOQ
CBN	15.000	0.000014	0.001		<LOQ
CBDV	15.000	0.000065	0.001		<LOQ

Potency Summary

Total CBD 9.500%	**Total THC** 0.362%
Total CBG 0.209%	**Total CBN** None Detected
Other Cannabinoids 0.067%	**Total Cannabinoids** 10.138%

Xueli Gao Ph.D., DABT — Lab Toxicologist

Aixia Sun D.H.Sc., M.Sc., B.Sc., MT (AAB) — Lab Director/Principal Scientist

Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram , *Measurement of Uncertainty = +/- 5%

CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

Partial Certificate of Analysis

Customer:
Tennessee Harvester
1033 Elm Hill Pike
Nashville, TN 37210

Collected Date: **1/15/2021**
Received Date: **1/19/2021**
COA Released: Partial

Comments:

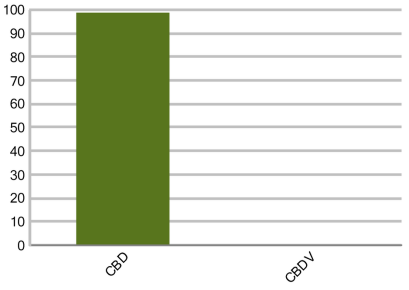
Sample ID: **210115022**
Order Number: **CB210115010**
Sample Name: **Broad Spectrum Distillate**

External Sample ID: **18WX**
Batch Number:
Product Type: **Concentrate**
Sample Type: **Concentrate**

CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	mg/g
CBC	0.01	ND	ND
CBD	0.01	98.79	987.9
CBDa	0.01	ND	ND
CBDV	0.01	0.191	1.911
CBG	0.01	ND	ND
CBGa	0.01	ND	ND
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	ND	ND
THCa	0.01	ND	ND
Total Cannabinoids		***98.98***	***989.8***
Total Potential THC		***N/A***	***N/A***
Total Potential CBD		***98.79***	***987.9***
Total Potential CBG		***N/A***	***N/A***
Ratio of Total Potential CBD to Total Potential THC			***N/A***
Ratio of Total Potential CBG to Total Potential THC			***N/A***

Cannabinoids (% weight)



*Total Cannabinoids refers to the sum of all cannabinoids detected.
*Total Potential CBD = (0.877 x CBDa) + CBD. *Total Potential THC = (0.877 x THCa) + THC. *Total Potential CBG = (0.877 x CBGa) + CBG.
*Total Potential THC/CBD are calculated to take into account the loss of an acid group during decarboxylation.

PJLA Testing
Accreditation #109588

Authorized Signature
Laboratory Manager

01/21/2021 9:50 AM
DATE

TENNESSEE HARVESTER ENTERPRISES

615-849-0500

info@tennesseeharvester.com

1033 Elm Hill Pike
Nashville, TN

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
DEA Number: RK0595249

Kaycha Labs

C
N/A
Matrix: Flower

Certificate of Analysis

Sample:KN10727004-003
Harvest/Lot ID: 003
Seed to Sale# N/A
Batch Date: 07/18/21
Batch#: 003
Sample Size Received: 4 gram
Total Weight/Volume: N/A
Retail Product Size: 3.5 gram
Ordered : 07/27/21
sampled : 07/27/21
Completed: 07/27/21 Expires: 07/27/22
Sampling Method: SOP Client Method

Jul 27, 2021 | LTF
17960 SW 232 St.
Miami, FL, 33170, US

PASSED

PRODUCT IMAGE

SAFETY RESULTS

Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture
NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED

MISC.

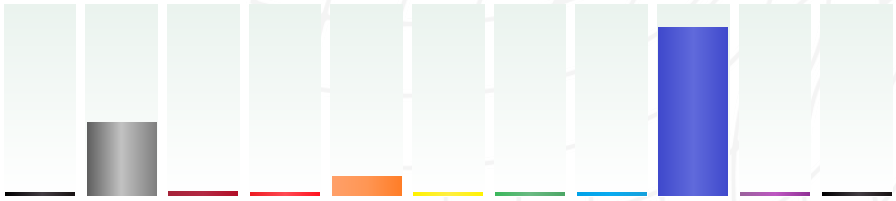
Terpenes
NOT TESTED

CANNABINOID RESULTS

Total THC
0.290%

Total d8-THC
13.792%

Total Cannabinoids
21.809%



	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	<0.010	5.9580	0.2570	0.0310	1.4150	<0.010	<0.010	0.0910	13.7920	0.0360	0.2270
mg/g	<0.010	59.5800	2.5700	0.3100	14.1500	<0.010	<0.010	0.9100	137.9199	0.3600	2.2700
LOD	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %	0.0010 %

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.2026g	07/27/21 12:07:38	113

Analysis Method -Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCa: 9.5%, TOTAL THC 11. 1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.

Reviewed On - 07/27/21 12:41:54

Batch Date : 07/26/21 14:02:52

Analytical Batch -KN001142POT **Instrument Used :** HPLC E-SHI-008 **Running On :**

Reagent	Dilution	Consums. ID
120320.R02	40	947B9291.217
072621.R01		0030220
071421.R01		

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis.). *Based on FL action limits.

Sue Ferguson
Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Signature

07/27/21
Signed On

Altitude Consulting

Customer: Medisinal Edibles

Customer Sample ID: 20mg Full Spec. CBD Infused Gummy

Laboratory Number: 20F0001-01

Servings per Container: 2.9628

Cannabinoid Profile

Extraction Technician: DF
Analytical Chemist: CB

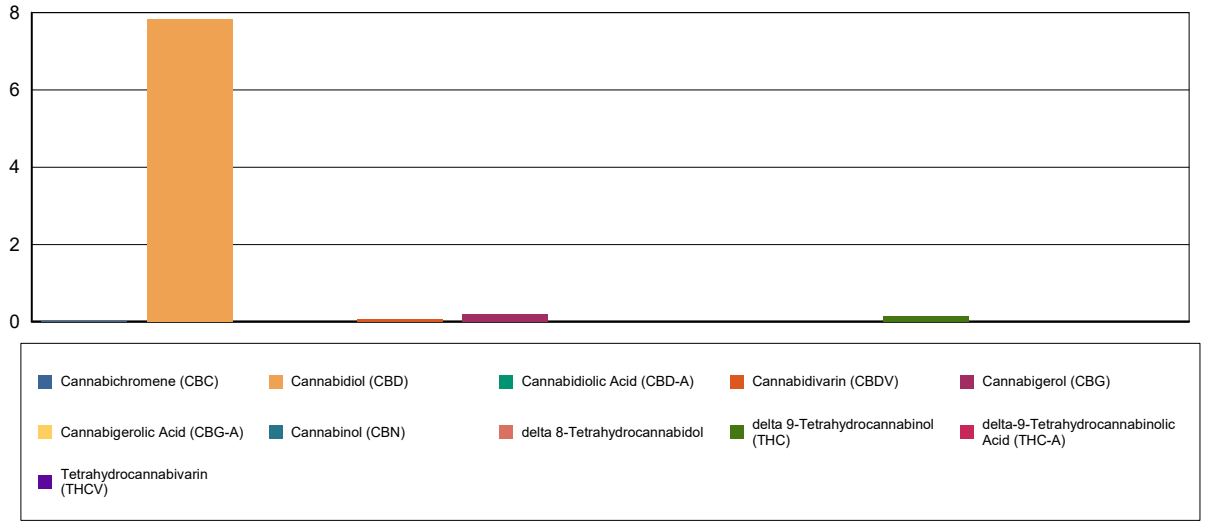
Extraction Date(s)	Analysis Date(s)
6/1/2020	6/1/2020

Cannabinoids (HPLC)		Results		
	LOD (mg/g)	%	mg/g	mg/gummy
Cannabidivarin (CBDV)		0.006	0.059	0.174
Cannabidiolic Acid (CBD-A)	<0.005			
Cannabigerolic Acid (CBG-A)	<0.005			
Cannabigerol (CBG)		0.02	0.215	0.637
Cannabidiol (CBD)		0.78	7.83	23.2
Tetrahydrocannabivarin (THCV)	<0.005			
Cannabinol (CBN)	<0.005			
delta 9-Tetrahydrocannabinol (THC)		0.01	0.138	0.410
delta 8-Tetrahydrocannabidol	<0.005			
Cannabichromene (CBC)		0.0009	0.00924	0.027
delta-9-Tetrahydrocannabinolic Acid (THC-A)	<0.005			

Cannabinoids Total	%	mg/g
Max Active THC	0.01	0.14
Max Active CBD	0.78	7.83
T.Active Cannabinoids	0.82	8.19
Total Cannabinoids	0.83	8.25

Ratios	
56.57:1 CBD to THC	0.02:1 THC to CBD

Cannabinoid (mg/g)



Reporting Limits will vary based on sample extraction weight used for the analysis.

Altitude Consulting, LLC utilizes NIST traceable Reference Standards and Certified Reference Material to calibrate analytical instruments along with proven analytical methods. The methods are applied in the most ethical manner following good laboratory practice guidelines. The results of this report are based solely on the sample submitted and cannot be reproduced.

Altitude Consulting

Customer: Medisinal Edibles

Customer Sample ID: 25mg Full Spec. CBD Infused Gummy

Laboratory Number: 20F0001-02

Servings per Container: 2.0883

Cannabinoid Profile

Extraction Technician: DF
Analytical Chemist: CB

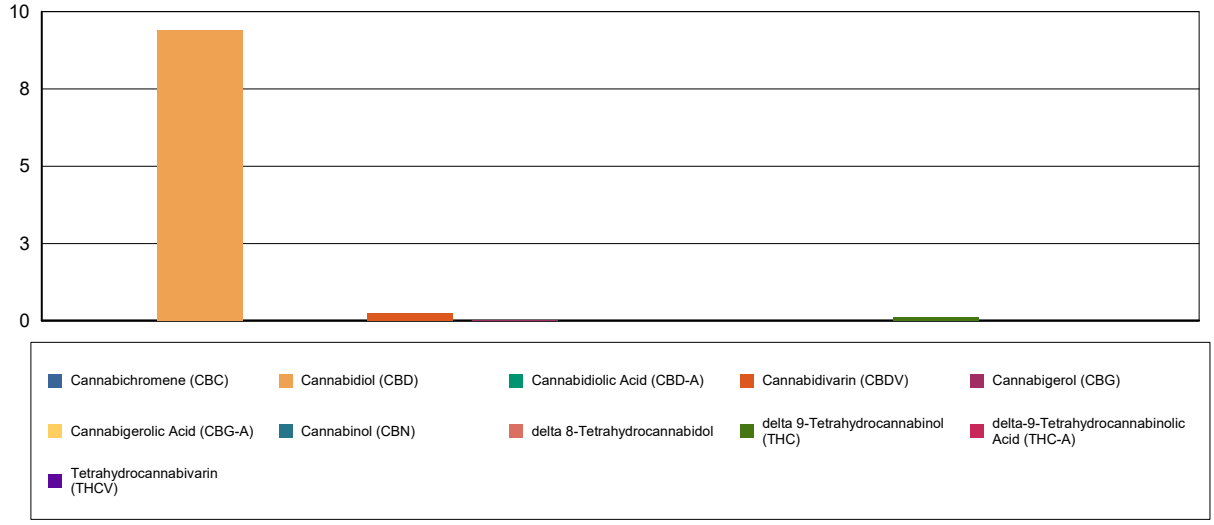
Extraction Date(s)	Analysis Date(s)
6/1/2020	6/1/2020

Cannabinoids (HPLC)		Results		
	LOD (mg/g)	%	mg/g	mg/gummy
Cannabidivarin (CBDV)		0.03	0.259	0.541
Cannabidiolic Acid (CBD-A)	<0.006			
Cannabigerolic Acid (CBG-A)	<0.006			
Cannabigerol (CBG)		0.003	0.035	0.073
Cannabidiol (CBD)		0.94	9.39	19.6
Tetrahydrocannabivarin (THCV)	<0.006			
Cannabinol (CBN)	<0.006			
delta 9-Tetrahydrocannabinol (THC)		0.01	0.118	0.247
delta 8-Tetrahydrocannabidol	<0.006			
Cannabichromene (CBC)		0.0009	0.00852	0.018
delta-9-Tetrahydrocannabinolic Acid (THC-A)	<0.006			

Cannabinoids Total	%	mg/g
Max Active THC	0.01	0.12
Max Active CBD	0.94	9.39
T.Active Cannabinoids	0.96	9.55
Total Cannabinoids	0.98	9.81

Ratios	
79.47:1 CBD to THC	0.01:1 THC to CBD

Cannabinoid (mg/g)



Reporting Limits will vary based on sample extraction weight used for the analysis.

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Altitude Consulting

Customer: Medisinal Edibles

Customer Sample ID: 50mg Full Spec. CBD Infused Gummy

Laboratory Number: 20F0001-03

Servings per Container: 1.9567

Cannabinoid Profile

Extraction Technician: DF
Analytical Chemist: CB

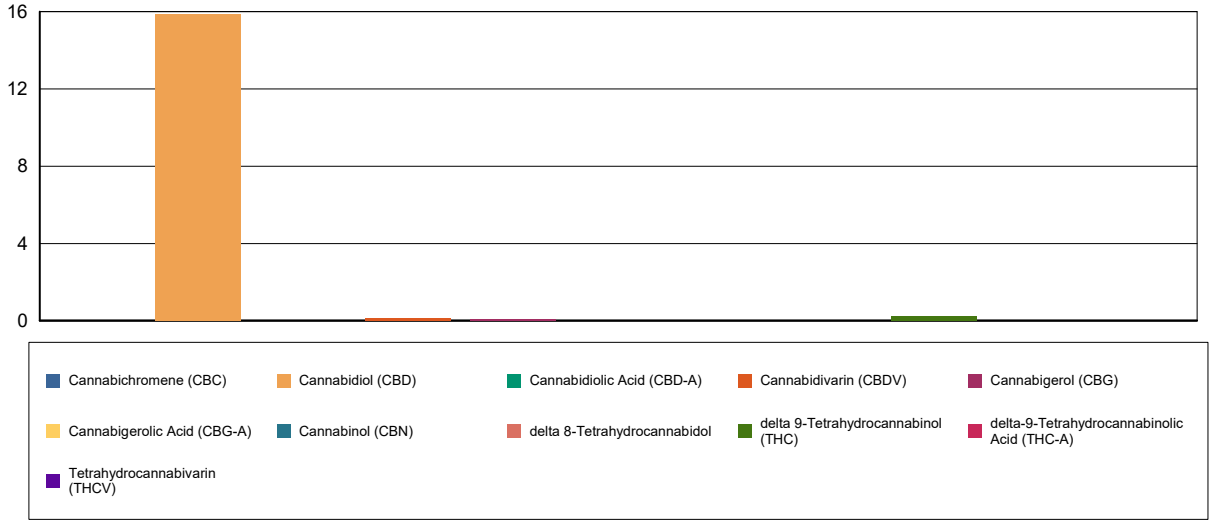
Extraction Date(s)	Analysis Date(s)
6/1/2020	6/1/2020

Cannabinoids (HPLC)		Results		
	LOD (mg/g)	%	mg/g	mg/gummy
Cannabidivarin (CBDV)		0.01	0.145	0.285
Cannabidiolic Acid (CBD-A)	<0.005			
Cannabigerolic Acid (CBG-A)	<0.005			
Cannabigerol (CBG)		0.007	0.069	0.134
Cannabidiol (CBD)		1.59	15.9	31.0
Tetrahydrocannabivarin (THCV)	<0.005			
Cannabinol (CBN)	<0.005			
delta 9-Tetrahydrocannabinol (THC)		0.02	0.222	0.434
delta 8-Tetrahydrocannabidol	<0.005			
Cannabichromene (CBC)		0.001	0.013	0.026
delta-9-Tetrahydrocannabinolic Acid (THC-A)	<0.005			

Cannabinoids Total	%	mg/g
Max Active THC	0.02	0.22
Max Active CBD	1.59	15.90
T.Active Cannabinoids	1.62	16.20
Total Cannabinoids	1.63	16.30

Ratios	
71.39:1 CBD to THC	0.01:1 THC to CBD

Cannabinoid (mg/g)



Reporting Limits will vary based on sample extraction weight used for the analysis.

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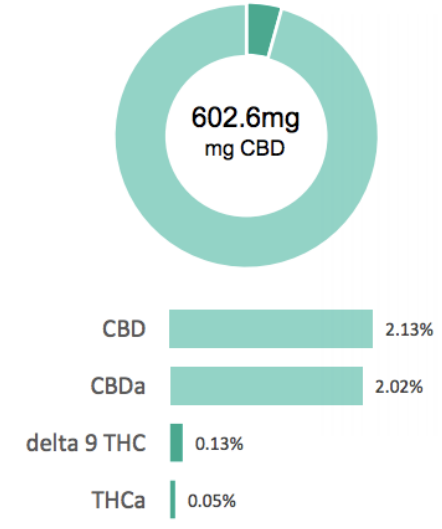
CERTIFICATE OF ANALYSIS

prepared for: Coalesce Cannabis, LLC
N2594 State HWY 54
Melrose, WI 54642

Full Spectrum Tincture

Batch ID:	1	**Test ID:**	5109678.0041
Reported:	15-May-2020	**Method:**	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	10.93	14.70	0.5
Delta 9-Tetrahydrocannabinol (Delta 9THC)	5.46	36.90	1.3
Cannabidiolic acid (CBDA)	21.31	571.90	20.2
Cannabidiol (CBD)	11.91	602.60	21.3
Delta 8-Tetrahydrocannabinol (Delta 8THC)	5.98	ND	ND
Cannabinolic Acid (CBNA)	14.99	ND	ND
Cannabinol (CBN)	6.64	ND	ND
Cannabigerolic acid (CBGA)	9.55	ND	ND
Cannabigerol (CBG)	5.38	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	9.38	ND	ND
Tetrahydrocannabivarin (THCV)	4.87	ND	ND
Cannabidivarinic Acid (CBDVA)	19.81	ND	ND
Cannabidivarin (CBDV)	10.85	ND	ND
Cannabichromenic Acid (CBCA)	8.20	34.20	1.2
Cannabichromene (CBC)	9.88	18.60	0.7
Total Cannabinoids		**1278.90**	**45.11**
Total Potential THC**		49.79	1.76
Total Potential CBD**		1104.16	38.95

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

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

** 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

NOTES:
# of Servings = 1, Sample Weight=28.35g

Certificate reissued to reflect correct reporting type.

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

FINAL APPROVAL

Ryan Weems 13-May-2020 9:02 PM	Greg Zimpfer 15-May-2020 8:41 AM
PREPARED BY / DATE	APPROVED BY / DATE

botanacor

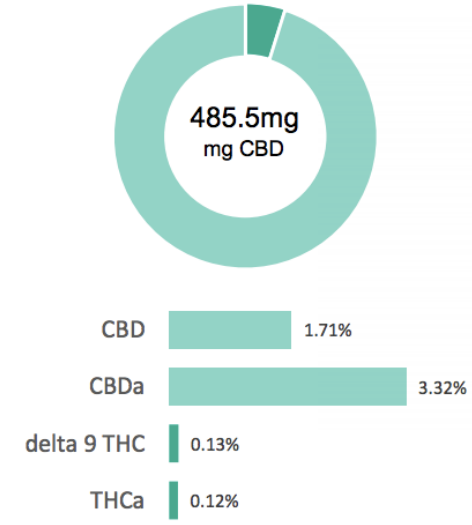
CERTIFICATE OF ANALYSIS

prepared for: Coalesce Cannabis, LLC
N2594 State HWY 54
Melrose, WI 54642

Full Spectrum Salve

Batch ID:	2	**Test ID:**	3123625.0039
Reported:	12-May-2020	**Method:**	TM14
Type:	Topical		
Test:	Potency		

CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	3.31	34.50	1.2
Delta 9-Tetrahydrocannabinol (Delta 9THC)	1.66	36.60	1.3
Cannabidiolic acid (CBDA)	6.46	940.40	33.2
Cannabidiol (CBD)	3.61	485.50	17.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	1.81	ND	ND
Cannabinolic Acid (CBNA)	4.55	ND	ND
Cannabinol (CBN)	2.01	2.60	0.1
Cannabigerolic acid (CBGA)	2.90	10.00	0.4
Cannabigerol (CBG)	1.63	4.80	0.2
Tetrahydrocannabivarinic Acid (THCVA)	2.84	ND	ND
Tetrahydrocannabivarin (THCV)	1.48	ND	ND
Cannabidivarinic Acid (CBDVA)	6.01	6.40	0.2
Cannabidivarin (CBDV)	3.29	ND	ND
Cannabichromenic Acid (CBCA)	2.48	53.20	1.9
Cannabichromene (CBC)	2.99	14.80	0.5
Total Cannabinoids		**1588.80**	**56.04**
Total Potential THC**		66.86	2.36
Total Potential CBD**		1310.23	46.22

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

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

** 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

NOTES:
# of Servings = 1, Sample Weight=28.35g

N/A

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

FINAL APPROVAL

Ryan Weems
12-May-2020
12:16 PM

PREPARED BY / DATE

Ben Minton
12-May-2020
4:55 PM

APPROVED BY / DATE

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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

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Certificate #4329.02

PROVERDE LABORATORIES

Test Certificate

Certificate ID: **91404**
Received: **1/13/21**
ient Sample ID: **Hemp CBD Salve**
Lot Number: **100192**
Matrix: **Topicals - Salve**

Scan QR Code for authenticity

HEMP INDIC

uthorization: Chris Hudalla, Chief Science Officer

Signature: Christopher Hudalla

D

PJLA Testing
Accreditation
80585

The data contained
collected in accorda
of ISO/IEC17025:2
information contain
been reviewed for
against the quality
each method. These
test article listed in
not be reproduced ex

N: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01] *Analyst: JFD* *Te*

e client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compa
certified reference standards at known concentrations.

404-CN

ID	Weight %	Concentration (mg/g)
D9-THC	ND	ND
THCV	ND	ND
CBD	1.77	17.7
CBDV	ND	ND
CBG	0.0165	0.165
CBC	0.0116	0.116
CBN	ND	ND
THCA	ND	ND
CBDA	ND	ND
CBGA	ND	ND
D8-THC	ND	ND
exo-THC	ND	ND
Total	1.79	17.9
Max THC	ND	ND
Max CBD	1.77	17.7

0% Cannabinoi
Limit of Quantita
Limit of Dete

x THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of th
m. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC
es not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (
rd of LOQ.

END OF REPORT