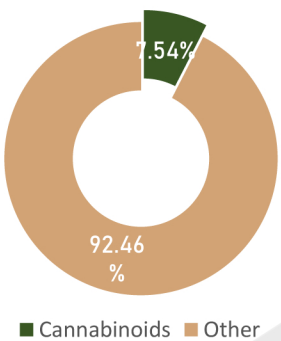
CERTIFICATE OF ANALYSIS

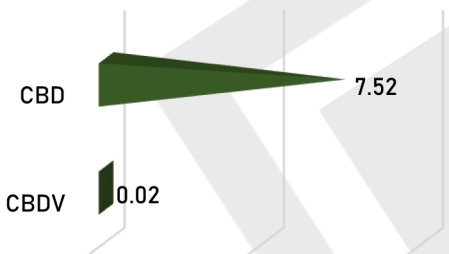
Isolate 2000mg/30ml

Batch ID:	20T6101609	Received:	9/16/2020	Test:	Potency
Sample Type:	CBD Tincture	Analyzed:	9/18/2020		

CANNABINOID PROFILE

TOTAL CANNABINOID CONTENT





Cannabinoid	LoD (mg/L)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	0.39	7.52	75.17
Cannabigerol (CBG)	0.41	0.00	0.00
Δ9-Tetrahydrocannabinol (Δ9-THC)	0.33	0.00	0.00
Cannabacitran (CBT)	0.20	0.00	0.00
Cannabichromene (CBC)	0.32	0.00	0.00
Cannabinol (CBN)	0.24	0.00	0.00
Tetrahydrocannabivarin (THCV)	0.42	0.00	0.00
Δ8-Tetrahydrocannabinol (Δ8-THC)	0.42	0.00	0.00
Cannabigerolic acid (CBGA)	0.35	0.00	0.00
Cannabidiolic acid (CBDA)	0.34	0.00	0.00
Cannabidivarin (CBDV)	0.31	0.02	0.22
Δ9-Tetrahydrocannabinolic acid (THCA)	0.32	0.00	0.00
Total Cannabinoids**		7.54	75.39
Total Potential THC*		0.00	0.00
Total Potential CBD*		7.52	75.17
Total Potential CBG*		0.00	0.00

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

**Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)) and Total CBG = CBG + (CBGa*(0.877))*

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

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

REMARKS

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

FINAL AUTHORIZATION

M.Zapata 18-Sep-20	18-Sep-20	Madi S 18-Sep-20
ANALYZED BY/DATE	AUTHORIZED BY / DATE	RELEASED BY/DATE

Laboratory results are based on the sample submitted to Extract Labs, INC, in the condition it was received. Extract Labs, INC warrants that all analyses performed were done in a professional manner in accordance with all relevant standard laboratory practices and good manufacturing practices. Extract Labs, INC is currently in the process of obtaining ISO 17025 accreditation but has not yet been obtained. All data was generated using certified reference materials and NIST traceable reference standards. Report can only be reproduced with the written consent of Extract Labs, INC.

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CERTIFICATE OF ANALYSIS

CBD Isolate 2000mg/30ml Tincture

Batch ID:	20T6101609	**Test ID:**	T000096859
Reported:	21-Sep-2020	**Method:**	TM24, TM25, TM26, TM27, TM28
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count*	None Detected
Total Coliforms*	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
STEC and 0157 E. coli	None Detected
Salmonella	None Detected

** CFU/g = Colony Forming Unit per Gram*

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

Examples: 10^2 = 100 CFU
10^3 = 1,000 CFU
10^4 = 10,000 CFU
10^5 = 100,000 CFU

NOTES:

Free from visual mold, mildew, and foreign matter
TYM: None Detected
Total Aerobic: None Detected
Coliforms: None Detected

FINAL APPROVAL

Tori King
21-Sep-2020
10:16 AM

PREPARED BY / DATE

Greg Zimpfer
21-Sep-2020
8:58 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 4329.03

ilac-MRA A2LA ACCREDITED

Certificate #4329.03

CERTIFICATE OF ANALYSIS

Isolate - 2000mg/30ml

Batch ID:	20T6101609	Received:	9/16/2020	Test:	Residual Solvents
Sample Type:	CBD Tincture	Analyzed:	9/21/2020		

RESIDUAL SOLVENTS

SOLVENT	REPORTABLE RANGE	RESULT (ppm)
Acetone	100-1000	0.00
Acetonitrile	100-1000	0.00
Benzene	0.2-4	0.00
Butanes	100-1000	0.00
Ethanol	100-1000	0.00
Ethyl Acetate	100-1000	0.00
Heptane	100-1000	0.00
Hexanes	6-120	0.00
Isopropyl Alcohol	100-1000	0.00
Methanol	100-1000	0.00
Pentane	100-1000	0.00
Propane	100-1000	0.00
Toluene	18-360	0.00
Xylenes	43-860	0.00

REMARKS

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

FINAL AUTHORIZATION

M.Zapata	21-Sep-20		21-Sep-20	Madi S	21-Sep-20
ANALYZED BY/DATE		AUTHORIZED BY / DATE		RELEASED BY/DATE	

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CERTIFICATE OF ANALYSIS

Collection Date: 04/12/2019
Order Date: 04/12/2019
Report Date: 04/19/2019
Order #699520
Batch # 2

Initial Weight: 35717.00/mg
Specimen Weight: 100.70/mg
Specimen Type: Flower
Extracted From: Hemp
Description: Brandon R1 Material

Heavy Metals (ICP-MS)

Analyte	ppb	Analyte	ppb	Analyte	ppb
Arsenic (As)	ND	Cadmium (Cd)	ND	Lead (Pb)	1,000
Mercury (Hg)	ND				

Thomas Farrell, MD
Lab Director

* Total CBD = CBD + (CBD-A * 0.877). Total THC = THCA-A * 0.877 + Delta 9 THC. T-Caryophyllene = Trans-Caryophyllene, ND = Not Detected, QNS = Quantity Not Sufficient. (%) = Percent, (ppm) = Parts per Million, (cfu) = Colony Forming Unit, (ppb) = Parts per Billion, (µg/Kg) = Microgram per Kilogram, (mg/g) = Milligram per Gram.
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721 Cortaro Drive
Sun City Center, FL - 33573
P: +1 (866) 762-8379
F: +1 (813) 634-4538
E: info@acslabcannabis.com
http://www.acslabcannabis.com
License No. 800025015
CLIA No. 10D1094068

CERTIFICATE OF ANALYSIS

Collection Date: 04/12/2019
Order Date: 04/12/2019
Report Date: 04/18/2019
Order #699519
Batch # 1

Initial Weight: 33693.00/mg
Specimen Weight: 91.70/mg
Specimen Type: Flower
Extracted From: Hemp
Description: Brandon R1 Material

Pesticides (LCMS/MS)

Analyte	ppm	Analyte	ppm	Analyte	ppm
Abamectin	ND	Acephate	ND	Acequinocyl	ND
Acetamiprid	ND	Aldicarb	ND	Azoxystrobin	ND
Bifenazate	ND	Bifenthrin	ND	Boscalid	ND
Carbaryl	ND	Carbofuran	ND	Chlorantraniliprole	ND
Chlorpyrifos	ND	Clofentezine	ND	Cypermethrin	ND
Daminozide	ND	Diazinon	ND	Dichlorvos	ND
Dimethoate	ND	Ethoprophos	ND	Etofenprox	ND
Etoxazole	ND	Fenoxycarb	ND	Fipronil	ND
Flonicamid	ND	Fludioxonil	ND	Hexythiazox	ND
Imazalil	ND	Imidacloprid	ND	Kresoxim Methyl	ND
Malathion A	ND	Metalaxyl	ND	Methiocarb	ND
Methomyl	ND	MGK-264	ND	Myclobutanil	ND
Naled	ND	Oxamyl	ND	Paclobutrazol	ND
Parathion-methyl	ND	Permethrin	ND	Phosmet	ND
Piperonylbutoxide	ND	Prallethrin	ND	Propiconazole	ND
Propoxur	ND	Pyrethrins	ND	Pyridaben	ND
Spinosyn A	ND	Spinosyn D	ND	Spiromesifen	ND
Spirotetramat	ND	Spiroxamine	ND	Tebuconazole	ND
Thiacloprid	ND	Thiamethoxam	ND	Trifloxystrobin	ND

Thomas Farrell, MD
Lab Director

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