

CERTIFICATE OF ANALYSIS

prepared for: MYADERM 88 IVERNESS CIRCLE EAST BLDG A SUITE 101 ENGLEWOOD, CO 80112

Result (%)

0.00

Result (mg/g)

0.0

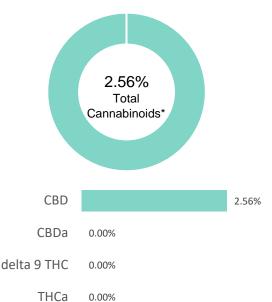
ADVANCED THERAPY CREAM

1101 Batch ID: Test ID: 3421354.0032 Reported: 3-Oct-2019 Method: TM14 Type: Concentrate Test: Potency

Compound

Delta 9-Tetrahydrocannabinolic acid (THCA-A)

CANNABINOID PROFILE



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Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.00	0.0
Cannabidiolic acid (CBDA)	0.02	0.00	0.0
Cannabidiol (CBD)	0.01	2.56	25.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.01	0.00	0.0
Cannabinolic Acid (CBNA)	0.03	0.00	0.0
Cannabinol (CBN)	0.01	0.00	0.0
Cannabigerolic acid (CBGA)	0.02	0.00	0.0
Cannabigerol (CBG)	0.01	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.02	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.01	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.02	0.00	0.0
Cannabidivarin (CBDV)	0.01	0.00	0.0
Cannabichromenic Acid (CBCA)	0.02	0.00	0.0
Cannabichromene (CBC)	0.02	0.00	0.0
Total Cannabinoids		2.56	25.60
Total Potential THC**		0.00	0.00
Total Potential CBD**		2.56	25.60

LOQ (%)

0.02

NOTES:

N/A

0.00%

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

FINAL APPROVAL

Ryan Weems 3-Oct-2019 4:56 PM

PREPARED BY / DATE

Greg Zimpfer 3-Oct-2019 5:30 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





^{% = % (}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



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ADVANCED THERAPY CREAM

Batch ID:	1101	Test ID:	3856413.012
Reported:	4-Oct-2019	Method:	Topical - Test Methods: TM05, TM06
Туре:	Topical		
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	None Detected
Salmonella	None Detected

^{*} CFU/g = Colony Forming Unit per Gram

Examples: 10^2 = 100 CFU

10³ = 1,000 CFU 10⁴ = 10,000 CFU 10⁵ = 100,000 CFU

NOTES:

Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected Coliforms: None Detected

FINAL APPROVAL

FF

Robert Belfon 4-Oct-2019 9:02 AM Dunuh

David Green 4-Oct-2019 9:04 AM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Services, LLC, in the condition it was received. Botanacor Services, 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 Services, LLC.

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

Certificate of Analysis

Final Product: Cannabidiol Isolate

Date of Manufacture: 07/2019

Test Results Pass/Fail **Test** Methodology **Specification** (Average)1 White, crystalline powder free of particulates Color and Appearance TM-004 (Visual) Conforms Pass Retention time of the primary peak TM-001 (DAD Retention in sample chromatogram matches that in the analytical reference Conforms Pass standard. **CBD** Identification UV Spectrum of the primary peak in sample chromatogram matches that in the analytical reference TM-001 (DAD UV Spectrum) Conforms Pass standard. 99.6 Pass CBD Potency (% w/w) TM-001 (HPLC-DAD) ≥ 98% THC TM-001 (HPLC-DAD) $\leq LOQ^2$ ≤LOQ Pass THC Content (% w/w) THCA TM-001 (HPLC-DAD) $\leq LOQ^2$ ND Pass CBDA TM-001 (HPLC-DAD) ND NA Report CBN TM-001 (HPLC-DAD) Report ND NA Related Cannabinoid CBDV TM-001 (HPLC-DAD) 0.17 Report NA Content CBG TM-001 (HPLC-DAD) Report ND NA (%w/w) Other (Highest) TM-001 (HPLC-DAD) 0.23 Report NA 0.47 Total TM-001 (HPLC-DAD) Report NA Total Cannabinoids TM-001 (HPLC-DAD) Report 100.03 NA (CBD plus total RCs, % w/w) 194 Pentane TM-005 (HS-GC-FID) ≤ 500 ppm Pass TM-005 (HS-GC-FID) ND Acetone ≤ 500 ppm Pass Residual Solvents (ppm) < LOQ TM-005 (HS-GC-FID) Pass Isopropyl Alcohol ≤ 500 ppm Hexane TM-005 (HS-GC-FID) ≤ 25 ppm < LOQ **Pass** Pesticides (Highest, ppm) Pesticide Content Test List³ LC-MS⁴ ≤ LOQ³ < LOQ **Pass** Arsenic ICP-MS4 < 1.5 ppm < LOQ Pass < LOQ Cadmium ICP-MS⁴ < 0.5 ppm Pass Elemental Impurities (ppm) < LOQ Lead ICP-MS4 < 0.5 ppm **Pass** ICP-MS4 < 1.5 ppm < LOQ Pass Mercury

Lot Number: IL1906I-037

Prepared by

-DocuSigned by:

Pa 7.8



Signer Name: Danea Burgess Signing Reason: I am the author of this document Signing Time: 7/26/2019 3:22:07 PM PDT

-7791B19814FC4B6FA585FA36E4AB982E

Quality Approval

-DocuSigned by:

Beth Grant



Signer Name: Beth Grant

Signing Reason: I approve this document Signing Time: 7/26/2019 3:39:14 PM PDT

-601DBDEA79BB4F4C8D9E7AF3E31F80D7

Number of replicates: 22

²TM-001 LOQ of 0.05% w/w for related cannabinoids.

³Full list of individual pesticide residues on file, Eurofins LOQ of 0.05 ppm for individual residues.

⁴Contract Testing performed by Eurofins BioDiagnostics.