botanacor

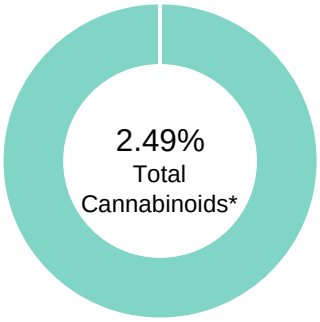
CERTIFICATE OF ANALYSIS

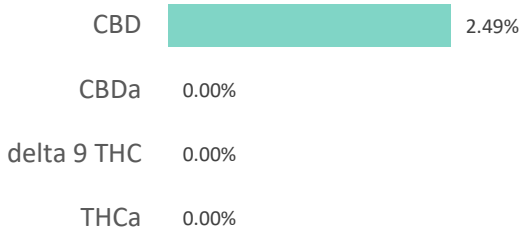
prepared for: MYADERM
88 IVERNESS CIRCLE EAST BLDG A SUITE 101
ENGLEWOOD, CO 80112

CBD Cream Advanced Therapy

Batch ID:	1072	**Test ID:**	1545988.0010
Reported:	27-Jun-2019	**Method:**	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.03	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.00	0.0
Cannabidiolic acid (CBDA)	0.09	0.00	0.0
Cannabidiol (CBD)	0.05	2.49	24.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	0.00	0.0
Cannabinolic Acid (CBNA)	0.04	0.00	0.0
Cannabinol (CBN)	0.02	0.00	0.0
Cannabigerolic acid (CBGA)	0.03	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)	0.08	0.00	0.0
Cannabidivarin (CBDV)	0.04	0.00	0.0
Cannabichromenic Acid (CBCA)	0.02	0.00	0.0
Cannabichromene (CBC)	0.03	0.00	0.0
Total Cannabinoids		**2.49**	**24.90**
Total Potential THC**		0.00	0.00
Total Potential CBD**		2.49	24.90

% = % (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))

NOTES:
N/A

FINAL APPROVAL

Karen Winternheimer
27-Jun-2019
2:09 PM
PREPARED BY / DATE

Greg Zimpfer
27-Jun-2019
2:21 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

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CERTIFICATE OF ANALYSIS

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

CBD Cream Advanced Therapy

Batch ID:	1072	**Test ID:**	5319791.009
Reported:	27-Jun-2019	**Method:**	Topical - Test Methods: TM05, TM06
Type:	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*

*** 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

Samantha Hoyle
27-Jun-2019
2:28 PM
PREPARED BY / DATE

David Green
27-Jun-2019
2:33 PM
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.

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http://www.nascient.com
Lic# C8-18-0000039-TEMP

Regulatory Compliance Testing

Informational Use Only - Not For Regulatory Use

CBD Powder

Sample ID: 1905NAS0524.1473
Strain: CBD Powder
Matrix: Concentrates & Extracts
Type: Cannabinoid Isolate
Sample Size: ; Batch:

Produced:
Collected:
Received: 05/13/2019
Completed: 05/15/2019
Batch#: 50024

Client
Myaderm
Lic. #
88 Inverness Cir E, A101
Englewood, CA 80112

Pass

ND
Total THC

99.650%
Total CBD

Analyte	LOD	LOQ	Mass	Mass
	%	%	%	mg/g
THCa	0.010	0.020	ND	ND
Δ9-THC	0.010	0.030	ND	ND
Δ8-THC	0.010	0.040	ND	ND
THCV	0.010	0.020	ND	ND
CBDa	0.010	0.020	ND	ND
CBD	0.010	0.030	99.650	996.50
CBDVa	0.010	0.030	ND	ND
CBDV	0.010	0.010	ND	ND
CBN	0.010	0.010	ND	ND
CBGa	0.010	0.030	ND	ND
CBG	0.010	0.030	ND	ND
CBC	0.010	0.020	ND	ND
Total			**99.650**	**996.50**

Date Tested: 05/14/2019
Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Sample Prep Method: SP-200. Analysis Method: AM-300. Instrument: HPLC-DAD-SP-200.

Summary

99.650% Total Cannabinoids 05/14/2019	**Not Tested** *NT* Terpenes	**Pass** Pesticides 05/14/2019	**Pass** Residual Solvents 05/15/2019	**Pass** Microbials 05/14/2019
Not Tested *NT* Moisture	**Not Tested** *NT* Water Activity	**Pass** Heavy Metals 05/15/2019	**Pass** Foreign Matter 05/14/2019	**Pass** Mycotoxins 05/14/2019

James W. Cox - Laboratory Director
05/15/2019

All LQC ran in accordance with 16 CCR sec. 5730. Foreign Matter: Sample Prep Method- SP-201, Analysis- Method AM-301, Instrument- Visual Inspection. Moisture and Water Activity: Sample Prep Method- SP-204, Analysis Method- AM-304, Instrument- Moisture and Water Activity Meter. This product has been tested by NASCIENT, LLC using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. NASCIENT, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of NASCIENT, LLC. Form No. FO-028

CBD Powder

Sample ID: 1905NAS0524.1473
Strain: CBD Powder
Matrix: Concentrates & Extracts
Type: Cannabinoid Isolate
Sample Size: ; Batch:

Produced:
Collected:
Received: 05/13/2019
Completed: 05/15/2019
Batch#: 50024

Client
Myaderm
Lic. #
88 Inverness Cir E, A101
Englewood, CA 80112

Pesticides

Pass

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
Abamectin	0.01	0.03	0.1	ND	Pass
Acephate	0.005	0.017	0.1	ND	Pass
Acequinocyl	0.008	0.025	0.1	ND	Pass
Acetamiprid	0.003	0.01	0.1	ND	Pass
Aldicarb	0.003	0.01	0.003	ND	Pass
Azoxystrobin	0.003	0.01	0.1	ND	Pass
Bifenazate	0.003	0.01	0.1	ND	Pass
Bifenthrin	0.003	0.01	3	ND	Pass
Boscalid	0.003	0.01	0.1	ND	Pass
Captan	0.11	0.333	0.7	ND	Pass
Carbaryl	0.003	0.01	0.5	ND	Pass
Carbofuran	0.003	0.01	0.003	ND	Pass
Chlorantraniliprole	0.003	0.01	10	ND	Pass
Chlordane	0.011	0.033	0.011	ND	Pass
Chlorfenapyr	0.16	0.5	0.16	ND	Pass
Chlormequat	0.003	0.01	0.1	ND	Pass
Chlorpyrifos	0.003	0.01	0.003	ND	Pass
Clofentezine	0.003	0.01	0.1	ND	Pass
Coumaphos	0.003	0.01	0.003	ND	Pass
Cyfluthrin	0.2	0.6	2	ND	Pass
Cypermethrin	0.05	0.15	1	ND	Pass
Daminozide	0.003	0.011	0.003	ND	Pass
Diazinon	0.003	0.01	0.1	ND	Pass
Dichlorvos	0.003	0.01	0.003	ND	Pass
Dimethoate	0.003	0.01	0.003	ND	Pass
Dimethomorph	0.003	0.01	2	ND	Pass
Ethoprophos	0.003	0.01	0.003	ND	Pass
Etofenprox	0.003	0.01	0.003	ND	Pass
Etoxazole	0.006	0.018	0.1	ND	Pass
Fenhexamid	0.003	0.01	0.1	ND	Pass
Fenoxycarb	0.003	0.01	0.003	ND	Pass
Fenpyroximate	0.003	0.01	0.1	ND	Pass
Fipronil	0.003	0.01	0.003	ND	Pass
Flonicamid	0.003	0.01	0.1	ND	Pass
Fludioxonil	0.004	0.012	0.1	ND	Pass
Hexythiazox	0.003	0.01	0.1	ND	Pass
Imazalil	0.003	0.01	0.003	ND	Pass
Imidacloprid	0.003	0.01	5	ND	Pass
Kresoxim Methyl	0.003	0.01	0.1	ND	Pass
Malathion	0.003	0.01	0.5	ND	Pass
Metalaxyl	0.003	0.01	2	ND	Pass
Methiocarb	0.003	0.01	0.003	ND	Pass
Methomyl	0.003	0.01	1	ND	Pass
Methyl Parathion	0.013	0.039	0.013	ND	Pass
Mevinphos	0.008	0.025	0.008	ND	Pass
Myclobutanil	0.003	0.01	0.1	ND	Pass
Naled	0.003	0.01	0.1	ND	Pass
Oxamyl	0.003	0.01	0.5	ND	Pass
Paclobutrazol	0.003	0.01	0.003	ND	Pass
Pentachloronitrobenzene	0.003	0.01	0.1	ND	Pass
Permethrin	0.005	0.016	0.5	ND	Pass
Phosmet	0.003	0.01	0.1	ND	Pass
Piperonyl Butoxide	0.006	0.018	3	ND	Pass
Prallethrin	0.003	0.01	0.1	ND	Pass
Propiconazole	0.006	0.019	0.1	ND	Pass
Propoxur	0.003	0.01	0.003	ND	Pass
Pyrethrin 1	0.014	0.042		ND	Tested
Pyrethrin 2	0.06	0.18		ND	Tested
Pyrethrins	0.06	0.18	0.5	ND	Pass
Pyridaben	0.003	0.01	0.1	ND	Pass
Spinetoram	0.003	0.01	0.1	ND	Pass
Spinosad	0.003	0.01	0.1	ND	Pass
Spiromesifen	0.005	0.015	0.1	ND	Pass
Spirotetramat	0.003	0.01	0.1	ND	Pass
Spiroxamine	0.003	0.01	0.003	ND	Pass
Tebuconazole	0.003	0.011	0.1	ND	Pass
Thiacloprid	0.003	0.01	0.003	ND	Pass
Thiamethoxam	0.003	0.01	5	ND	Pass
Trifloxystrobin	0.003	0.01	0.1	ND	Pass

Date Tested: 05/14/2019
LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Sample Prep Method: SP-206. Analysis Method: AM-306. Instrument: LC-MS/MS-SP-206.

James W. Cox - Laboratory Director
05/15/2019

All LQC ran in accordance with 16 CCR sec. 5730. Foreign Matter: Sample Prep Method- SP-201, Analysis- Method AM-301, Instrument- Visual Inspection. Moisture and Water Activity: Sample Prep Method- SP-204, Analysis Method- AM-304, Instrument- Moisture and Water Activity Meter. This product has been tested by NASCIENT, LLC using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. NASCIENT, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of NASCIENT, LLC. Form No. FO-028

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Type: Cannabinoid Isolate
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Residual Solvents

Pass

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.32	0.96	1	ND	Pass
Acetone	4.8	14.4	5000	ND	Pass
Acetonitrile	0.38	1.16	410	ND	Pass
Benzene	0.32	0.96	1	ND	Pass
Butane	19.2	57.6	5000	ND	Pass
Chloroform	0.2	0.6	1	ND	Pass
Ethanol	6.4	19.2	5000	ND	Pass
Ethyl-Acetate	2.25	6.8	5000	ND	Pass
Ethyl-Ether	3.2	9.6	5000	ND	Pass
Ethylene Oxide	0.33	1	1	ND	Pass
Heptane	3.2	9.6	5000	ND	Pass
Isopropanol	3.2	9.6	5000	ND	Pass
Methanol	6.4	19.2	3000	ND	Pass
Methylene-Chloride	0.33	1	1	ND	Pass
n-Hexane	0.16	0.48	290	ND	Pass
Pentane	4.8	14.4	5000	2232.31	Pass
Propane	1	3.2	5000	ND	Pass
Toluene	0.96	2.88	890	ND	Pass
Trichloroethene	0.16	0.48	1	ND	Pass
Xylenes	0.96	2.88	2170	ND	Pass

Date Tested: 05/15/2019
LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Sample Prep Method: SP-206. Analysis Method: AM-307. Instrument: GC-MS- SP-207.

James W. Cox - Laboratory Director
05/15/2019

All LQC ran in accordance with 16 CCR sec. 5730. Foreign Matter: Sample Prep Method- SP-201, Analysis- Method AM-301, Instrument- Visual Inspection. Moisture and Water Activity: Sample Prep Method- SP-204, Analysis Method- AM-304, Instrument- Moisture and Water Activity Meter. This product has been tested by NASCIENT, LLC using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. NASCIENT, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of NASCIENT, LLC. Form No. FO-028

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Sample ID: 1905NAS0524.1473
Strain: CBD Powder
Matrix: Concentrates & Extracts
Type: Cannabinoid Isolate
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Batch#: 50024

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Englewood, CA 80112

Microbials

Pass

Analyte	Result	Status
Aspergillus flavus	Not Detected in 1g	Pass
Aspergillus fumigatus	Not Detected in 1g	Pass
Aspergillus niger	Not Detected in 1g	Pass
Aspergillus terreus	Not Detected in 1g	Pass
Shiga toxin-producing E. Coli	Not Detected in 1g	Pass
Salmonella	Not Detected in 1g	Pass

Date Tested: 05/14/2019
Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Sample Prep Method: SP-203. Analysis Method: SP-303. Instrument: PCR-SP-203.

Mycotoxins

Pass

Analyte	LOD	LOQ	Limit	Units	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
B1	1	1		ND	Tested
B2	1	1		ND	Tested
G1	1	1		ND	Tested
G2	1	1		ND	Tested
Total Aflatoxins	1	1	20	ND	Pass
Ochratoxin A	1	1	20	ND	Pass

Date Tested: 05/14/2019
LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Instrument: LC-MS/MS-SP-205.

Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Units	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.002	0.006	0.2	<LOQ	Pass
Cadmium	0.001	0.004	0.2	<LOQ	Pass
Lead	0.008	0.025	0.5	0.034	Pass
Mercury	0.001	0.004	0.1	<LOQ	Pass

Date Tested: 05/15/2019
LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Instrument: ICP-MS-SP-202.

James W. Cox - Laboratory Director
05/15/2019

All LQC ran in accordance with 16 CCR sec. 5730. Foreign Matter: Sample Prep Method- SP-201, Analysis- Method AM-301, Instrument- Visual Inspection. Moisture and Water Activity: Sample Prep Method- SP-204, Analysis Method- AM-304, Instrument- Moisture and Water Activity Meter. This product has been tested by NASCIENT, LLC using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. NASCIENT, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of NASCIENT, LLC. Form No. FO-028