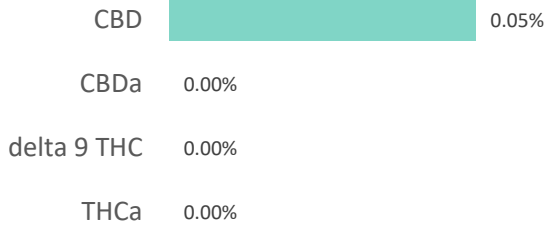


19K95

Batch ID:	GOCR-033-ZE-A	Test ID:	9010374.009
Reported:	2-Apr-2019	Method:	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.12	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.06	0.00	0.0
Cannabidiolic acid (CBDA)	0.13	0.00	0.0
Cannabidiol (CBD)	0.07	2.10	0.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.06	0.00	0.0
Cannabinolic Acid (CBNA)	0.16	0.00	0.0
Cannabinol (CBN)	0.07	0.00	0.0
Cannabigerolic acid (CBGA)	0.10	0.00	0.0
Cannabigerol (CBG)	0.06	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVa)	0.10	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.05	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.12	0.00	0.0
Cannabidivarin (CBDV)	0.07	0.00	0.0
Cannabichromenic Acid (CBCA)	0.09	0.00	0.0
Cannabichromene (CBC)	0.10	0.00	0.0
Total Cannabinoids		2.10	0.54
Total Potential THC**		0.00	0.00
Total Potential CBD**		2.10	0.54

NOTES:


 # of Servings = 1, Sample/Fill Weight = 3.8886g
 DC-NO-2mg-BULK-10lbs

% = % (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))

FINAL APPROVAL


Sam Smith
2-Apr-2019
2:43 PM



David Green
2-Apr-2019
2:47 PM

PREPARED BY / DATE

APPROVED BY / DATE

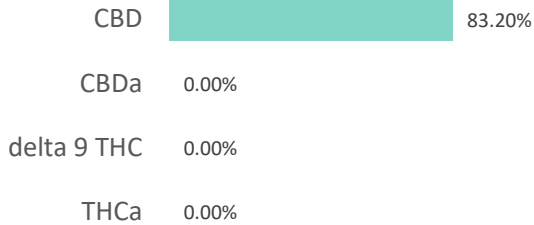
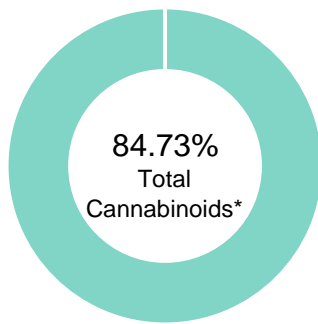
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. 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



Certificate #4329.02

THC Free CBD Rich Hemp Oil

Batch ID:	0361	Test ID:	4733534.0065
Reported:	30-Oct-2019	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.17	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.08	0.00	0.0
Cannabidiolic acid (CBDA)	0.38	0.00	0.0
Cannabidiol (CBD)	0.21	83.20	832.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.09	0.00	0.0
Cannabinolic Acid (CBNA)	0.23	0.00	0.0
Cannabinol (CBN)	0.10	0.00	0.0
Cannabigerolic acid (CBGA)	0.15	0.00	0.0
Cannabigerol (CBG)	0.08	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.15	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.08	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.35	0.00	0.0
Cannabidivarin (CBDV)	0.19	1.53	15.3
Cannabichromenic Acid (CBCA)	0.13	0.00	0.0
Cannabichromene (CBC)	0.15	0.00	0.0
Total Cannabinoids		84.73	847.30
Total Potential THC**		0.00	0.00
Total Potential CBD**		83.20	832.00

NOTES:

N/A

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
FINAL APPROVAL


Daniel Weidensaul
 30-Oct-2019
 6:11 PM

PREPARED BY / DATE



David Green
 30-Oct-2019
 7:30 PM

APPROVED BY / DATE

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prepared for: HEMP4 LIMITED
 KEMP HOUSE 152-160 CITY ROAD
 LONDON, ENGLAND EC1V 2NX

THC Free CBD Rich Hemp Oil

Batch ID:	0361	Test ID:	7015531.0029
Reported:	30-Oct-2019	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	51 - 2341	ND*	Malathion	51 - 2341	ND*
Acetamiprid	51 - 2341	ND*	Metalaxyl	303 - 2341	ND*
Avermectin	303 - 2341	ND*	Methiocarb	51 - 2341	ND*
Azoxystrobin	51 - 2341	ND*	Methomyl	51 - 2341	ND*
Bifenazate	51 - 2341	ND*	MGK 264 1	51 - 2341	ND*
Boscalid	303 - 2341	ND*	MGK 264 2	303 - 2341	ND*
Carbaryl	51 - 2341	ND*	Myclobutanil	303 - 2341	ND*
Carbofuran	51 - 2341	ND*	Naled	303 - 2341	ND*
Chlorantraniliprole	51 - 2341	ND*	Oxamyl	51 - 2341	ND*
Chlorpyrifos	303 - 2341	ND*	Paclobutrazol	51 - 2341	ND*
Clofentezine	51 - 2341	ND*	Permethrin	303 - 2341	ND*
Diazinon	51 - 2341	ND*	Phosmet	51 - 2341	ND*
Dichlorvos	303 - 2341	ND*	Prophos	303 - 2341	ND*
Dimethoate	51 - 2341	ND*	Propoxur	303 - 2341	ND*
E-Fenpyroximate	303 - 2341	ND*	Pyridaben	303 - 2341	ND*
Etofenprox	303 - 2341	ND*	Spinosad A	51 - 2341	ND*
Etoxazole	303 - 2341	ND*	Spinosad D	303 - 2341	ND*
Fenoxycarb	51 - 2341	ND*	Spiromesifen	51 - 2341	ND*
Fipronil	303 - 2341	ND*	Spirotetramat	303 - 2341	ND*
Flonicamid	51 - 2341	ND*	Spiroxamine 1	51 - 2341	ND*
Fludioxonil	303 - 2341	ND*	Spiroxamine 2	51 - 2341	ND*
Hexythiazox	303 - 2341	ND*	Tebuconazole	51 - 2341	ND*
Imazalil	303 - 2341	ND*	Thiacloprid	51 - 2341	ND*
Imidacloprid	51 - 2341	ND*	Thiamethoxam	51 - 2341	ND*
Kresoxim-methyl	51 - 2341	ND*	Trifloxystrobin	303 - 2341	ND*


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

N/A

FINAL APPROVAL


 Sam Smith
 30-Oct-2019
 10:01 AM

PREPARED BY / DATE


 David Green
 30-Oct-2019
 12:47 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.

prepared for: HEMP4 LIMITED
KEMP HOUSE 152-160 CITY ROAD
LONDON, ENGLAND EC1V 2NX

THC Free CBD Rich Hemp Oil

Batch ID:	0361	Test ID:	5980482.016
Reported:	30-Oct-2019	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:

Free from visual mold, mildew, and foreign matter.

FINAL APPROVAL

Alex Smith
30-Oct-2019
3:25 PMDavid Green
30-Oct-2019
3:32 PM

PREPARED BY / DATE

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



Certificate #4329.02

prepared for: HEMP4 LIMITED
KEMP HOUSE 152-160 CITY ROAD
LONDON, ENGLAND EC1V 2NX

THC Free CBD Rich Hemp Oil

Batch ID:	0361	Test ID:	3776212.029
Reported:	28-Oct-2019	Method:	Concentrate - Test Methods: TM05, TM06
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	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


Robert Belfon
28-Oct-2019
5:03 PM
Greg Zimpfer
28-Oct-2019
5:07 PM

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.

THC Free CBD Rich Hemp Oil

Batch ID:	0361	Test ID:	T000026558
Reported:	5-Nov-2019	Method:	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
Type:	Other		
Test:	Metals		

HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

FINAL APPROVAL

Sam Smith
5-Nov-2019
7:34 AM

PREPARED BY / DATE

David Green
5-Nov-2019
8:24 AM

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.