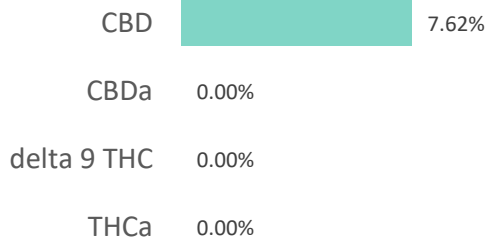
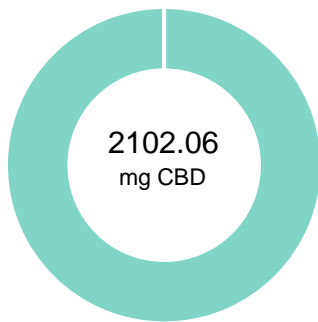


**Peppermint 2000mg**

<b>Batch ID:</b>	5603	<b>Test ID:</b>	T000099512
<b>Reported:</b>	1-Oct-2020	<b>Method:</b>	TM14
<b>Type:</b>	Unit		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	14.90	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	7.31	ND	ND
Cannabidiolic acid (CBDA)	1.89	ND	ND
Cannabidiol (CBD)	4.03	2102.06	76.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	7.97	ND	ND
Cannabinolic Acid (CBNA)	20.67	ND	ND
Cannabinol (CBN)	9.06	ND	ND
Cannabigerolic acid (CBGA)	13.02	ND	ND
Cannabigerol (CBG)	7.29	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	12.70	ND	ND
Tetrahydrocannabivarin (THCV)	6.51	ND	ND
Cannabidivarinic Acid (CBDVA)	1.81	ND	ND
Cannabidivarin (CBDV)	0.98	32.47	1.2
Cannabichromenic Acid (CBCA)	11.43	ND	ND
Cannabichromene (CBC)	13.22	ND	ND
<b>Total Cannabinoids</b>		<b>2134.53</b>	<b>77.3</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2102.06	76.2

**NOTES:**

# of Servings = 1, Sample Weight=27.6g

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.  
 Total THC = THC + (THCa \* (0.877)) and  
 Total CBD = CBD + (CBDa \* (0.877))  
 ND = None Detected (Defined by Dynamic Range of the method)

**FINAL APPROVAL**

 Daniel Weidensaul 1-Oct-2020 2:50 PM	 Ben Minton 1-Oct-2020 4:38 PM
PREPARED BY / DATE	APPROVED BY / DATE

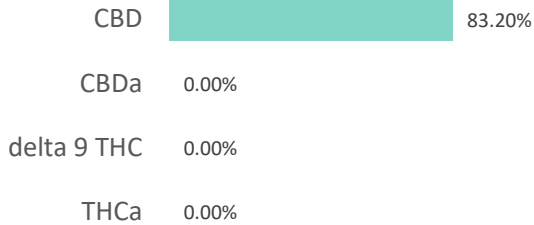
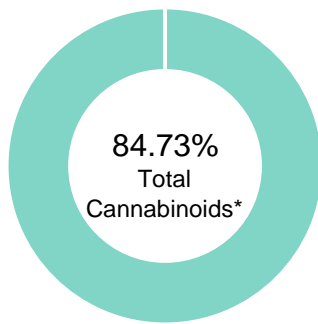
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods.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

<b>Batch ID:</b>	0361	<b>Test ID:</b>	4733534.0065
<b>Reported:</b>	30-Oct-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	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
<b>Total Cannabinoids</b>		<b>84.73</b>	<b>847.30</b>
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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Certificate #4329.02

**THC Free CBD Rich Hemp Oil**

<b>Batch ID:</b>	0361	<b>Test ID:</b>	7015531.0029
<b>Reported:</b>	30-Oct-2019	<b>Method:</b>	TM17
<b>Type:</b>	Concentrate		
<b>Test:</b>	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-Fenproximate	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

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

**THC Free CBD Rich Hemp Oil**

<b>Batch ID:</b>	0361	<b>Test ID:</b>	5980482.016
<b>Reported:</b>	30-Oct-2019	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	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 PM	 David Green 30-Oct-2019 3:32 PM
--	--

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

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

## THC Free CBD Rich Hemp Oil

<b>Batch ID:</b>	0361	<b>Test ID:</b>	3776212.029
<b>Reported:</b>	28-Oct-2019	<b>Method:</b>	Concentrate - Test Methods: TM05, TM06
<b>Type:</b>	Concentrate		
<b>Test:</b>	Microbial Contaminants		

## MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b><i>E. coli</i></b>	None Detected
<b><i>Salmonella</i></b>	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.

prepared for: HEMP4 LIMITED

KEMP HOUSE 152-160 CITY ROAD  
LONDON, ENGLAND EC1V 2NX

## THC Free CBD Rich Hemp Oil

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