

# Feals 1200mg Lab Tests.

At Feals, our goal is to produce the purest end product as possible. In order to do so, we test your CBD at each step of our production process.

Lot Number: 19112V1

## TEST 1

### Hemp Test

Our American grow partners sign an affidavit ensuring organic farming practices are used, before their initial test to validate no traces of any 60 potentially harmful pesticides are found, and that THC levels are below the 0.3% limit required by law.

- ✓ 60 Pesticide Test
- ✓ Under legal limit of 0.3% THC

## TEST 2

### Extraction Test

Once the plants pass the partner's quality assurance, they are brought to our CO<sub>2</sub> extraction facility. Here, the oil is retested for the 0.3% limit and goes through a comprehensive profile and potency test to determine the plant's unique cannabinoid makeup.

- ✓ Cannabinoid Profile Test
- ✓ Under legal limit of 0.3% THC

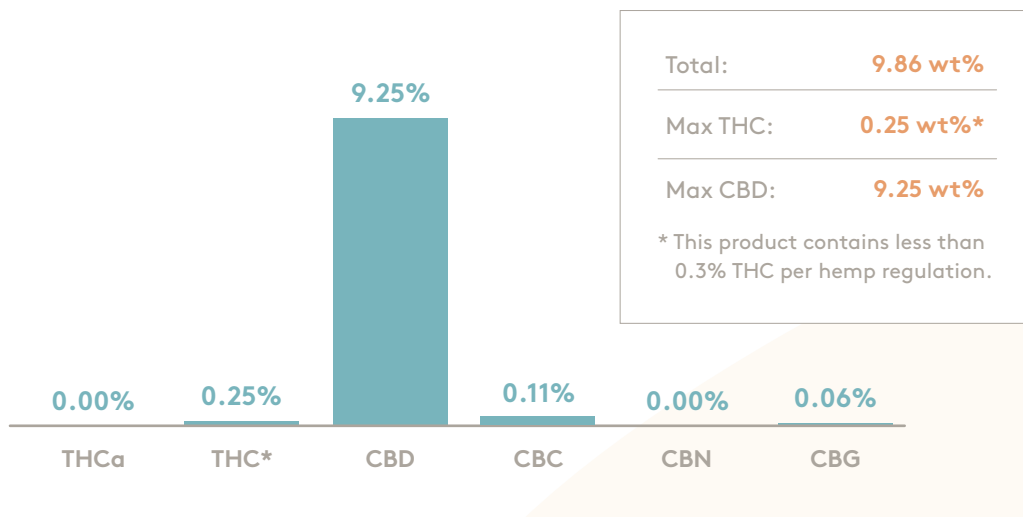
## TEST 3

### Final Test

Before being shipped to your door, we ensure the accuracy of our partner tests by sending each batch through a final test of quality, profile, and potency. A summary of that test is summarized below and the actual results are on the following pages.

- ✓ All previous tests taken one last time

## Cannabinoid Profile & Potency



# Certificate of Analysis

Order #: FEA191205-030006

Order Date: 2019-12-05

Collection Date: 2019-12-13

Report Date: 2019-12-20

Batch #: 19112V1  
Sample #: AAAA313  
Specimen Type: CBD/HEMP Derivative Products  
Extracted From: Hemp  
Description: Full Spec CBD + Organic MCT Oil

Density: .94226g/ml  
Method: SOP-3



Potency  
Tested

Residual Solvents  
Passed

Heavy Metals  
Passed

Mycotoxins  
Passed

Water Activity  
Passed

Terpenes  
Tested

Pesticides  
Passed

Pesticides  
Passed

Microbiology (qPCR)  
Passed

Listeria  
Tested

Filth and Foreign Material  
Passed

CBD Total  
9.251%

THC Total  
0.252%

CBG Total  
0.062%

CBN Total  
Not Detected

Other Cannabinoids Total  
0.220%

Total Detected Cannabinoids  
9.785%

## Potency - 11 (Tested)

(HPLC)

Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC	0.996	0.106	0.001	CBD	87.168	9.251	0.001	CBDA	<LOQ		0.001
CBDV	0.816	0.087	0.001	CBG	0.582	0.062	0.001	CBGA	<LOQ		0.001
CBN	<LOQ		0.001	Delta-8-THC	<LOQ		0.001	Delta-9-THC	2.375	0.252	0.001
THCA-A	<LOQ		0.001	THCV	0.263	0.028	0.001	Total CBD	87.168	9.251	0.001
Total THC	2.375	0.252	0.001								

\*Total CBD = CBD + (CBDA \* 0.877), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A (mg/ml) = Milligrams per Milliliter, , LOQ = Limit of Quantitation

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Extracted From: Hemp

Description: Full Spec CBD + Organic MCT Oil

Density: .94226g/ml

Method: SOP-3



## Residual Solvents (Extract Only) (Passed)

(GC/GCMS)

Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
Acetone	5000	<LOQ	87.9	Benzene	1.6	<LOQ	1.6	Chloroform	53	<LOQ	53
Ethanol	5000	<LOQ	26.7	Hexane	60	<LOQ	36.6	I-Butane	5000	<LOQ	100
Isopropanol	5000	<LOQ	52.3	Methanol	3000	<LOQ	87.9	N-Butane	5000	<LOQ	200
Pentane	5000	<LOQ	389.5	Toluene	890	<LOQ	38.4				

(ppm) = Parts per Million, (ppm) = (µg/g), , LOQ = Limit of Quantitation

## Heavy Metals (Passed)

(ICP-MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Arsenic (As)	200	<LOQ	100	Cadmium (Cd)	200	<LOQ	100	Lead (Pb)	500	<LOQ	100
Mercury (Hg)	100	<LOQ	100								

(ppb) = Parts per Billion, (ppb) = (µg/kg), , LOQ = Limit of Quantitation

## Mycotoxins (Passed)

(LCMS/MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin B1		<LOQ	6	Aflatoxin B2		<LOQ	6	Aflatoxin G1		<LOQ	6
Aflatoxin G2		<LOQ	6	Aflatoxin Total	20	<LOQ	6	Ochratoxin A	20	<LOQ	12

(ppb) = Parts per Billion, (ppb) = (µg/kg), , LOQ = Limit of Quantitation

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Order Date: 2019-12-05

Collection Date: 2019-12-13

Report Date: 2019-12-20

Batch #: 19112V1  
Sample #: AAAA313  
Specimen Type: CBD/HEMP Derivative Products  
Extracted From: Hemp  
Description: Full Spec CBD + Organic MCT Oil

Density: .94226g/ml  
Method: SOP-3



## Water Activity (Passed)

(AquaLab  
4TE)

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.65	0.286

(aw) = aw

## Terpenes - FL (Tested)

(GC/GCMS)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
(+)-Cedrol	<LOQ	0.001		(R)-(+)-Limonene	0.300	0.030	0.001	3-Carene	<LOQ	0.001	
Alpha-Bisabolol	<LOQ	0.001		alpha-Cedrene	<LOQ	0.001		alpha-Humulene	<LOQ	0.001	
alpha-Phellandren-e	<LOQ	0.001		alpha-Pinene	<LOQ	0.001		alpha-Terpinene	<LOQ	0.001	
Borneol	<LOQ	0.001		beta-Myrcene	0.130	0.013	0.001	beta-Pinene	<LOQ	0.001	
Caryophyllene oxide	<LOQ	0.001		Camphene	<LOQ	0.001		Camphors	<LOQ	0.001	
Fenchyl Alcohol	<LOQ	0.001		cis-Nerolidol	<LOQ	0.001		Eucalyptol	<LOQ	0.001	
Guaiol	<LOQ	0.001		Farnesene	<LOQ	0.001		Fenchone	<LOQ	0.001	
Isopulegol	<LOQ	0.001		gamma-Terpinene	<LOQ	0.001		Geraniol	<LOQ	0.001	
Ocimene	<LOQ	0.001		Hexahydrothymol	<LOQ	0.001		Geranyl acetate	<LOQ	0.001	
Sabinene Hydrate	<LOQ	0.001		Linalool	<LOQ	0.001		Isoborneol	<LOQ	0.001	
trans-Caryophyllene	0.110	0.011	0.001	Pulegone	<LOQ	0.001		Nerol	<LOQ	0.001	
				Terpineol	<LOQ	0.001		Sabinene	<LOQ	0.001	
				trans-Nerolidol	<LOQ	0.001		Terpinolene	<LOQ	0.001	
								Valencene	<LOQ	0.001	

(mg/g) = Milligram per Gram, , LOQ = Limit of Quantitation

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Specimen Type: CBD/HEMP Derivative Products

Extracted From: Hemp

Description: Full Spec CBD + Organic MCT Oil

Density: .94226g/ml

Method: SOP-3



## Pesticides (Passed)

(LCMS/MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Abamectin	100	<LOQ	28.23	Acephate	100	<LOQ	30	Acequinocyl	100	<LOQ	48
Acetamiprid	100	<LOQ	30	Aldicarb	100	<LOQ	30	Azoxystrobin	10	<LOQ	10
Bifenazate	100	<LOQ	30	Bifenthrin	100	<LOQ	30	Chlorfenapyr	100	<LOQ	48
Chlorpyrifos	100	<LOQ	30	Clofentezine	200	<LOQ	30	Coumaphos	100	<LOQ	30
Cyfluthrin	100	<LOQ	30	Cypermethrin	500	<LOQ	30	Daminozide	100	<LOQ	30
DDVP(Dichlorvos)	100	<LOQ	30	Diazinon	100	<LOQ	30	Dimethoate	100	<LOQ	30
Dimethomorph	200	<LOQ	30	Ethoprop(hos)	100	<LOQ	30	Etofenprox	100	<LOQ	30
Etoxazole	100	<LOQ	30	Fenhexamid	100	<LOQ	30	Fenoxycarb	100	<LOQ	30
Fipronil	100	<LOQ	30	Flonicamid	100	<LOQ	30	Fludioxonil	100	<LOQ	30
Hexythiazox	100	<LOQ	30	Imazalil	100	<LOQ	30	Imidacloprid	400	<LOQ	30
Kresoxim Methyl	100	<LOQ	30	Malathion A	200	<LOQ	30	Metalaxyl	20	<LOQ	10
Methiocarb	50	<LOQ	30	Methomyl	100	<LOQ	30	Mevinphos	100	<LOQ	30
Myclobutanil	100	<LOQ	30	Naled	250	<LOQ	30	Oxamyl	500	<LOQ	30
Paclobutrazol	100	<LOQ	30	Parathion-methyl	100	<LOQ	48	Pentachloronitrobenzene	150	<LOQ	30
Permethrin	100	<LOQ	30	Phosmet	100	<LOQ	30	Piperonylbutoxide	3000	<LOQ	30
Prallethrin	100	<LOQ	30	Propiconazole	100	<LOQ	30	Propoxur	100	<LOQ	30
Pyrethrins	500	<LOQ	30	Pyridaben	200	<LOQ	30	Spinetoram	200	<LOQ	30
Spinosyn A	100	<LOQ	30	Spinosyn D	100	<LOQ	30	Spiromesifen	100	<LOQ	30
Spirotetramat	100	<LOQ	30	Spiroxamine	100	<LOQ	30	Tebuconazole	100	<LOQ	30
Thiacloprid	100	<LOQ	30	Thiamethoxam	500	<LOQ	30	Trifloxystrobin	100	<LOQ	30

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Description: Full Spec CBD + Organic MCT Oil

Density: .94226g/ml  
Method: SOP-3



## Glyphosate, Paraquat, Diquat (Passed)

(LCMS/MS)

Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
Diquat	2	<LOQ	0.5	Glyphosate	2	<LOQ	0.5	Paraquat	2	<LOQ	0.5

(ppm) = Parts per Million, (ppm) = (µg/g), LOQ = Limit of Quantitation

## Pathogenic Microbiology #2 (MMTC Compliance Panel) (Passed)

(qPCR)

Analyte	Remark	Analyte	Remark	Analyte	Remark
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	Absence	Salmonella	Absence	STEC	Absence

## Listeria (Tested)

(qPCR)

Analyte	Remark
Listeria Monocytogenes	Absence

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## Filth and Foreign Material (Passed)

## (Electronic Balance)

Analyte	Action Level (area ratio)	Result (area ratio)
Covered Area	0.25	0.000

Analyte	Action Level (mg/Kg)	Result (mg/Kg)
Feces	0.5	0.000

Analyte	Action Level (%)	Result (%)
Weight %	5	0.000

(area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, (%) = Percent

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