

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: 19112V

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 CO₂ 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.

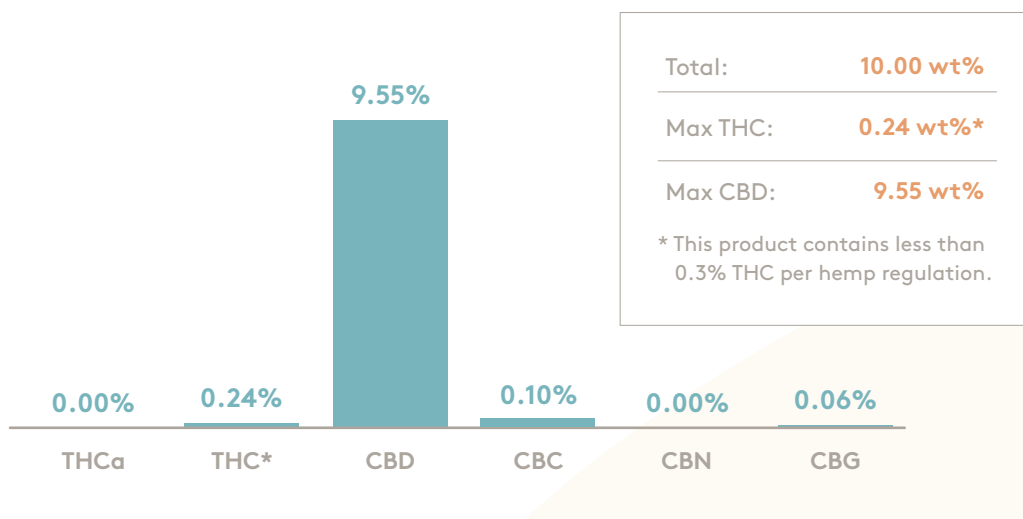
- ✓ All previous tests taken one last time

Pesticide Test: ✓ PASS

Heavy Metals Test: ✓ PASS

Microbiology Test: ✓ PASS

Cannabinoid Profile & Potency



Certificate of Analysis

Order #: FEA191226-010130

Order Date: 2019-12-26

Collection Date: 2019-12-26

Report Date: 2020-01-02

Batch #: 19112V
Sample #: AAAA773
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Hemp
Description: Feals1200 Hemp Extract + Organic MCT Oil Lot19112V

Initial Gross Weight: 15568.0mg
Density: .9483g/ml
Method: SOP-3



Potency
Tested

Residual Solvents
Passed

Heavy Metals
Passed

Mycotoxins
Passed

Water Activity
Passed

Pathogenic
Passed

Pathogenic Microbiology
Passed

Terpenes
Tested

Pesticides
Passed

Glyphosate, Paraquat, Diquat
Tested

Filth and Foreign Material
Passed

CBD Total
9.545%

THC Total
0.243%

CBG Total
0.058%

CBN Total
Not Detected

Other Cannabinoids Total
0.155%

Total Detected Cannabinoids
10.001%

Potency - 11 (Tested)

(HPLC)

Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC	0.960	0.101	0.001	CBD	90.515	9.545	0.001	CBDA	<LOQ		0.001
CBDV	0.510	0.054	0.001	CBG	0.546	0.058	0.001	CBGA	<LOQ		0.001
CBN	<LOQ		0.001	Delta-8-THC	<LOQ		0.001	Delta-9-THC	2.305	0.243	0.001
THCA-A	<LOQ		0.001	THCV	<LOQ		0.001	Total CBD	90.515	9.545	0.001
Total THC	2.305	0.243	0.001								

*Total CBD = CBD + (CBD-A * 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

Xueli Gao

Xueli Gao
Ph.D., DABT

Lab Toxicologist

Aixia Sun

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Principal Scientist

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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)	1500	<LOQ	100	Cadmium (Cd)	500	<LOQ	100	Lead (Pb)	500	<LOQ	100
Mercury (Hg)	3000	<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

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Water Activity (Passed)

(AquaLab
4TE)

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.65	0.252

(aw) = aw

Pathogenic Microbiology #3 (HEMP Compliance Panel) (Passed)

(qPCR)

Analyte	Result
Listeria	Absence

Pathogenic Microbiology #1 (MMTC Compliance Panel) (Passed)

(Micro
Array)

Analyte	Result	Analyte	Result	Analyte	Result
Aspergillus flavus	Absence	Aspergillus fumigatus	Absence	Aspergillus niger	Absence
Salmonella	Absence	STEC E. Coli	Absence	Aspergillus terreus	Absence

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Terpenes - FL (Tested)

Analyte	Result (mg/g)	(%)	LOQ (%)
(+)-Cedrol	<LOQ		0.001
Alpha-Bisabolol	0.108	0.011	0.001
alpha-Phellandren-e	<LOQ		0.001
Borneol	<LOQ		0.001
Caryophyllene oxide	<LOQ		0.001
Fenchyl Alcohol	<LOQ		0.001
Guaiaol	0.043	0.004	0.001
Isopulegol	<LOQ		0.001
Ocimene	0.028	0.003	0.001
Sabinene Hydrate	<LOQ		0.001
trans-beta-Ocimen-e	<LOQ		0.001

(GC/GCMS)

Analyte	Result (mg/g)	(%)	LOQ (%)
(R)-(+)-Limonene	0.153	0.015	0.001
alpha-Cedrene	<LOQ		0.001
alpha-Pinene	0.027	0.003	0.001
beta-Myrcene	0.249	0.025	0.001
Camphene	<LOQ		0.001
cis-Nerolidol	<LOQ		0.001
Farnesene	0.685	0.069	0.001
gamma-Terpinene	<LOQ		0.001
Hexahydrothymol	<LOQ		0.001
Linalool	0.051	0.005	0.001
Pulegone	<LOQ		0.001
Terpineol	0.030	0.003	0.001
trans-Caryophyllene	0.406	0.041	0.001
3-Carene	<LOQ		0.001
alpha-Humulene	0.139	0.014	0.001
alpha-Terpinene	<LOQ		0.001
beta-Pinene	<LOQ		0.001
Camphors	<LOQ		0.001
Eucalyptol	<LOQ		0.001
Fenchone	<LOQ		0.001
Geraniol	<LOQ		0.001
Geranyl acetate	<LOQ		0.001
Isoborneol	<LOQ		0.001
Nerol	<LOQ		0.001
Sabinene	<LOQ		0.001
Terpinolene	<LOQ		0.001
trans-Nerolidol	<LOQ		0.001
Valencene	<LOQ		0.001

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

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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	300	<LOQ	28.23	Acephate	3000	<LOQ	30	Acequinocyl	2000	<LOQ	48
Acetamiprid	3000	<LOQ	30	Aldicarb	100	<LOQ	30	Azoxystrobin	3000	<LOQ	10
Bifenazate	3000	<LOQ	30	Bifenthrin	500	<LOQ	30	Chlorfenapyr	100	<LOQ	48
Chlorpyrifos	100	<LOQ	30	Clofentezine	500	<LOQ	30	Coumaphos	100	<LOQ	30
Cyfluthrin	1000	<LOQ	30	Cypermethrin	1000	<LOQ	30	Daminozide	100	<LOQ	30
DDVP(Dichlorvos)	100	<LOQ	30	Diazinon	200	<LOQ	30	Dimethoate	100	<LOQ	30
Dimethomorph	3000	<LOQ	30	Ethoprop(hos)	100	<LOQ	30	Etofenprox	100	<LOQ	30
Etoxazole	1500	<LOQ	30	Fenhexamid	3000	<LOQ	30	Fenoxycarb	100	<LOQ	30
Fipronil	100	<LOQ	30	Flonicamid	2000	<LOQ	30	Fludioxonil	3000	<LOQ	30
Hexythiazox	2000	<LOQ	30	Imazalil	100	<LOQ	30	Imidacloprid	3000	<LOQ	30
Kresoxim Methyl	1000	<LOQ	30	Malathion A	2000	<LOQ	30	Metalaxyl	3000	<LOQ	10
Methiocarb	100	<LOQ	30	Methomyl	100	<LOQ	30	Mevinphos	100	<LOQ	30
Myclobutanil	3000	<LOQ	30	Naled	500	<LOQ	30	Oxamyl	500	<LOQ	30
Paclobutrazol	100	<LOQ	30	Parathion-methyl	100	<LOQ	48	Pentachloronitrobenzene	200	<LOQ	30
Permethrin	1000	<LOQ	30	Phosmet	200	<LOQ	30	Piperonylbutoxide	3000	<LOQ	30
Prallethrin	400	<LOQ	30	Propiconazole	1000	<LOQ	30	Propoxur	100	<LOQ	30
Pyrethrins	1000	<LOQ	30	Pyridaben	3000	<LOQ	30	Spinetoram	3000	<LOQ	30
Spinosyn A	3000	<LOQ	30	Spinosyn D	3000	<LOQ	30	Spiromesifen	3000	<LOQ	30
Spirotetramat	3000	<LOQ	30	Spiroxamine	100	<LOQ	30	Tebuconazole	1000	<LOQ	30
Thiacloprid	100	<LOQ	30	Thiamethoxam	1000	<LOQ	30	Trifloxystrobin	3000	<LOQ	30

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Glyphosate, Paraquat, Diquat (Tested)

(LCMS/MS)

Analyte	Result (ppm)	LOQ (ppm)	Analyte	Result (ppm)	LOQ (ppm)	Analyte	Result (ppm)	LOQ (ppm)
Diquat	<LOQ	24	Glyphosate	<LOQ	24	Paraquat	<LOQ	24

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Filth and Foreign Material (Passed)

(Electronic Balance)

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

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

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