

Feals 600mg 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: 601

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.

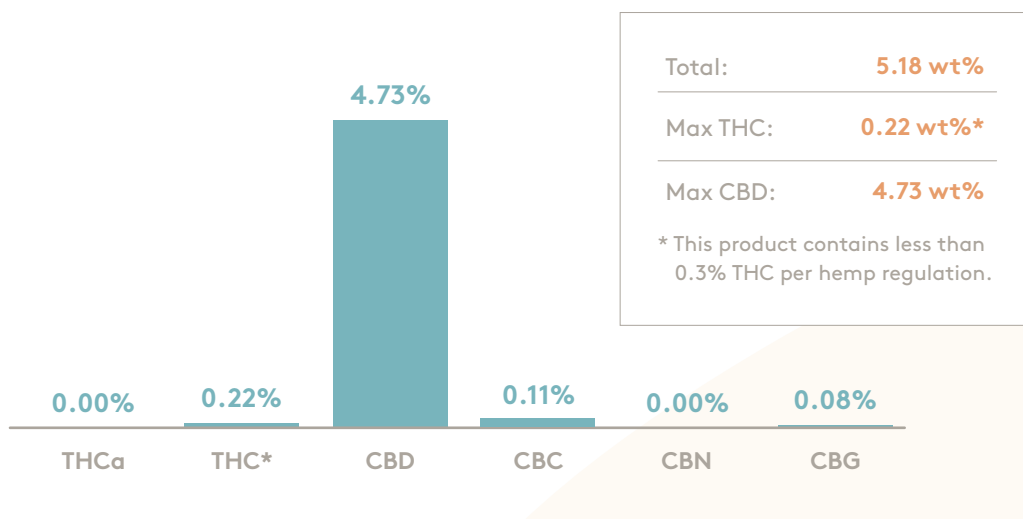
- ✓ All previous tests taken one last time

Pesticide Test: ✓ PASS

Heavy Metals Test: ✓ PASS

Microbiology Test: ✓ PASS

Cannabinoid Profile & Potency



Need guidance? Reach out to us at +1 844.311.9090

feals.com

Certificate of Analysis

Order #: FEA200106-010069

Order Date: 2020-01-06

Collection Date: 2020-01-10

Report Date: 2020-01-16

Batch #: 601
Sample #: AAAA987
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Hemp
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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
4.734%

THC Total
0.221%

CBG Total
0.075%

CBN Total
Not Detected

Other Cannabinoids
0.150%

Total Cannabinoids
5.179%

Potency - 11 (Tested)

(HPLC)

Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC	1.010	0.107	0.001
CBDV	0.400	0.042	0.001
CBN	<LOQ		0.001
THCA-A	<LOQ		0.001
Total THC	2.083	0.221	0.001

Analyte	Result (mg/ml)	(%)	LOQ (%)
CBD	44.316	4.701	0.001
CBG	0.702	0.075	0.001
Delta-8-THC	<LOQ		0.001
THCV	<LOQ		0.001

Analyte	Result (mg/ml)	(%)	LOQ (%)
CBDA	0.358	0.038	0.001
CBGA	<LOQ		0.001
Delta-9-THC	2.083	0.221	0.001
Total CBD	44.630	4.734	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

Xueli Gao
Ph.D., DABT

Lab Toxicologist

Aixa 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

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

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Water Activity (Passed)

(AquaLab
4TE)

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.65	0.318

(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)

(GC/GCMS)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
(+)-Cedrol	<LOQ	0.001		(R)-(+)-Limonene	<LOQ	0.001		3-Carene	<LOQ	0.001	
Alpha-Bisabolol	<LOQ	0.001		alpha-Cedrene	<LOQ	0.001		alpha-Humulene	<LOQ	0.001	
alpha-Phellandrene	<LOQ	0.001		alpha-Pinene	<LOQ	0.001		alpha-Terpinene	<LOQ	0.001	
Borneol	<LOQ	0.001		beta-Myrcene	<LOQ	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-beta-Ocimene	<LOQ	0.001		Pulegone	<LOQ	0.001		Nerol	<LOQ	0.001	
				Terpineol	<LOQ	0.001		Sabinene	<LOQ	0.001	
				trans-Caryophyllene	<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

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

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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