

# 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: 21112A

## 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.

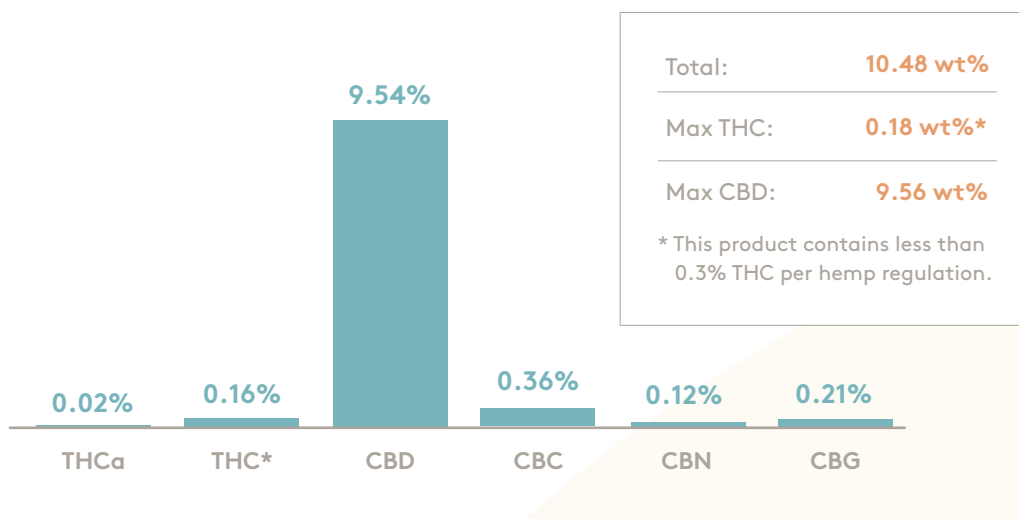
- ✓ All previous tests taken one last time

Pesticide Test: ✓ PASS

Heavy Metals Test: ✓ PASS

Microbiology Test: ✓ PASS

## Cannabinoid Profile & Potency




Prepared for:

**Feals 1200**
**Feals, Inc.**


Batch ID or Lot Number: <b>21112A</b>	Test: <b>Potency</b>	Reported: <b>12/10/21</b>	
Matrix: Concentrate	Test ID: T000180888	Started: 12/9/21	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 12/08/2021 @ 10:55 AM	Sampler ID: N/A

## CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.015	0.048	0.018	0.18	N/A
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.017	0.054	0.160	1.60	
Cannabidiolic acid (CBDA)	0.018	0.057	0.022*	0.22*	
Cannabidiol (CBD)	0.017	0.056	9.536	95.36	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.019	0.060	0.031*	0.31*	
Cannabinolic Acid (CBNA)	0.011	0.034	ND	ND	
Cannabinol (CBN)	0.005	0.016	0.123	1.23	
Cannabigerolic acid (CBGA)	0.016	0.050	ND	ND	
Cannabigerol (CBG)	0.004	0.012	0.205	2.05	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.043	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.007	0.024	ND	ND	
Cannabidivarin (CBDV)	0.004	0.013	0.028	0.28	
Cannabichromenic Acid (CBCA)	0.006	0.019	ND	ND	
Cannabichromene (CBC)	0.007	0.021	0.355	3.55	
<b>Total Cannabinoids</b>			<b>10.478</b>	<b>104.78</b>	
Total Potential THC**			0.176	1.76	
Total Potential CBD**			9.555	95.55	

  
 Hannah Wright  
 10-Dec-2021  
 03:40 PM

PREPARED BY / DATE

  
 Daniel Weidensaul  
 10-Dec-21  
 3:45 PM

APPROVED BY / DATE

### Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

\* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

\*\* 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))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

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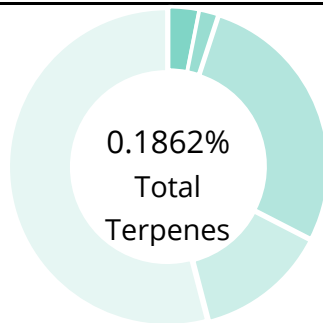


Certificate #4329.02

Feals 1200

<b>Batch ID:</b>	21112A	<b>Test ID:</b>	T000180889
<b>Type:</b>	Concentrate	<b>Submitted:</b>	12/08/2021 @ 10:55 AM
<b>Test:</b>	Terpenes	<b>Started:</b>	12/8/2021
<b>Method:</b>	TM22 (GC-MS)	<b>Reported:</b>	12/9/2021

## TERPENE PROFILE



### PREDOMINANT TERPENES


alpha-Pinene	0.0000
(-)-beta-Pinene	0.0000
beta-Myrcene	0.0000
delta-3-Carene	0.0000
alpha-Terpinene	0.0000
d-Limonene	0.0056
Linalool	0.0035
beta-Caryophyllene	0.0498
alpha-Humulene	0.0242
(-)-alpha-Bisabolol	0.0978

Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.0978	0.978
Camphene	0.0000	0.000
delta-3-Carene	0.0000	0.000
beta-Caryophyllene	0.0498	0.498
(-)-Caryophyllene Oxide	0.0000	0.000
p-Cymene	0.0000	0.000
Eucalyptol	0.0000	0.000
Geraniol	0.0000	0.000
alpha-Humulene	0.0242	0.242
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0056	0.056
Linalool	0.0035	0.035
beta-Myrcene	0.0000	0.000
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0053	0.053
Ocimene	0.0000	0.000
beta-Ocimene	0.0000	0.000
alpha-Pinene	0.0000	0.000
(-)-beta-Pinene	0.0000	0.000
alpha-Terpinene	0.0000	0.000
gamma-Terpinene	0.0000	0.000
Terpinolene	0.0000	0.000
<b>Total</b>	<b>0.1862</b>	<b>1.862</b>


### NOTES:

N/A

## FINAL APPROVAL



Jacob Miller  
9-Dec-2021  
1:39 PM



Daniel Weidensaul  
9-Dec-2021  
1:53 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC. 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:

**Feals 1200**
**Feals, Inc.**


Batch ID or Lot Number: <b>21112A</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>12/13/21</b>	
Matrix: Finished Product	Test ID: T000180891	Started: 12/8/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 12/08/2021 @ 10:55 AM	Sampler ID: N/A

## MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
<b>Total Aerobic Count*</b>	TM-26, Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
<b>Total Coliforms*</b>	TM-27, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>Total Yeast and Mold*</b>	TM-24, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>E. coli (STEC)</b>	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
<b>Salmonella</b>	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	


 Robert Belfon  
 12/11/2021  
 12:57:00 PM

PREPARED BY / DATE


 Carly Bader  
 12/13/2021  
 2:32:00 PM

APPROVED BY / DATE

### Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

\* 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<sup>2</sup> = 100 CFU

10<sup>3</sup> = 1,000 CFU

10<sup>4</sup> = 10,000 CFU

10<sup>5</sup> = 100,000 CFU

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Prepared for:

**Feals 1200**
**Feals, Inc.**

Batch ID or Lot Number:	Test:	Reported:
<b>21112A</b>	<b>Pesticides</b>	<b>12/10/21</b>

Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000180890	12/9/21	N/A

Status:	Method:	Received:	Sampler ID:
N/A	TM17(LC-QQQ LC MS/MS):	12/08/2021 @ 10:55 AM	N/A

## PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	46	ND	Fenoxycarb	43	ND	Paclobutrazol	43	ND
Acetamiprid	42	ND	Fipronil	47	ND	Permethrin	268	ND
Avermectin	215	ND	Flonicamid	50	ND	Phosmet	39	ND
Azoxystrobin	42	ND	Fludioxonil	267	ND	Prophos	299	ND
Bifenazate	42	ND	Hexythiazox	38	ND	Propoxur	44	ND
Boscalid	43	ND	Imazalil	289	ND	Pyridaben	296	ND
Carbaryl	41	ND	Imidacloprid	43	ND	Spinosad A	35	ND
Carbofuran	43	ND	Kresoxim-methyl	150	ND	Spinosad D	54	ND
Chlorantraniliprole	55	ND	Malathion	296	ND	Spiromesifen	281	ND
Chlorpyrifos	500	ND	Metalaxyl	42	ND	Spirotetramat	289	ND
Clofentezine	292	ND	Methiocarb	41	ND	Spiroxamine 1	19	ND
Diazinon	282	ND	Methomyl	44	ND	Spiroxamine 2	24	ND
Dichlorvos	301	ND	MGK 264 1	176	ND	Tebuconazole	312	ND
Dimethoate	40	ND	MGK 264 2	126	ND	Thiacloprid	40	ND
E-Fenpyroximate	289	ND	Myclobutanil	43	ND	Thiamethoxam	42	ND
Etofenprox	43	ND	Naled	48	ND	Trifloxystrobin	45	ND
Etoxazole	301	ND	Oxamyl	1500	ND			


 Karen Winternheimer  
 12/10/2021  
 12:59:00 PM

PREPARED BY / DATE


 Daniel Weidensaul  
 12/10/2021  
 1:15:00 PM

APPROVED BY / DATE

### Definitions

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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.



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Prepared for:

**Feals 1200****Feals, Inc.**


Batch ID or Lot Number: <b>21112A</b>	Test: <b>Metals</b>	Reported: <b>12/10/21</b>
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Matrix: Unit Co	Test ID: T000180892	Started: 12/10/21	USDA License: N/A
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Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 12/08/2021 @ 10:55 AM	Sampler ID: N/A
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## HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.040 - 4.01	ND	
Cadmium	0.045 - 4.50	ND	
Mercury	0.044 - 4.35	ND	
Lead	0.042 - 4.22	ND	

 Ryan Weems  
10-Dec-21  
3:51 PM

PREPARED BY / DATE

 Daniel Weidensaul  
10-Dec-21  
4:04 PM

APPROVED BY / DATE

### Definitions

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

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Prepared for:

**Feals 1200**
**Feals, Inc.**


Batch ID or Lot Number: <b>21112A</b>	Test: <b>Residual Solvents</b>	Reported: <b>12/10/21</b>	
Matrix: N/A	Test ID: T000180893	Started: 12/9/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 12/08/2021 @ 10:55 AM	Sampler ID: N/A

## RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	74 - 1473	*ND	
Butanes	164 - 3285	*ND	
(Isobutane, n-Butane)			
Methanol	53 - 1067	*ND	
Pentane	81 - 1625	*ND	
Ethanol	81 - 1623	*ND	
Acetone	87 - 1735	*ND	
Isopropyl Alcohol	91 - 1812	*ND	
Hexane	6 - 111	*ND	
Ethyl Acetate	94 - 1879	*ND	
Benzene	0.2 - 3.7	*ND	
Heptanes	84 - 1681	*ND	
Toluene	16 - 321	*ND	
Xylenes	113 - 2269	*ND	
(m,p,o-Xylenes)			


 Ryan Weems  
 10-Dec-21  
 1:44 PM

PREPARED BY / DATE


 Karen Winternheimer  
 10-Dec-21  
 1:48 PM

APPROVED BY / DATE

### Definitions

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

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Prepared for:

**Feals 1200****Feals, Inc.**

Batch ID or Lot Number: <b>21112A</b>	Test: <b>Mycotoxins</b>	Reported: <b>12/13/21</b>
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Matrix: Concentrate	Test ID: T000180894	Started: 12/10/21	USDA License: N/A
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Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 12/08/2021 @ 10:55 AM	Sampler ID: N/A
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## MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.6 - 136.5	ND	N/A
Aflatoxin B1	1.1 - 34.1	ND	
Aflatoxin B2	1.2 - 34.1	ND	
Aflatoxin G1	1.1 - 33.4	ND	
Aflatoxin G2	1.4 - 32.8	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Sam Smith  
13-Dec-21  
10:53 AM

PREPARED BY / DATE

Ryan Weems  
13-Dec-21  
10:56 AM

APPROVED BY / DATE

### Definitions

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

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