

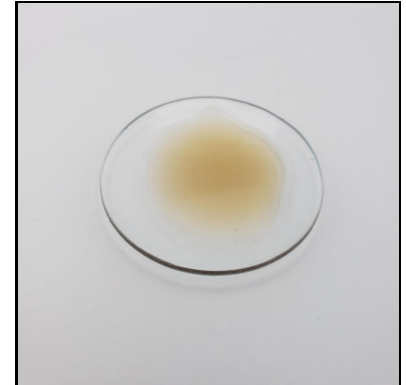
## Certificate of Analysis

<b>Client Name:</b> Fat Pants Brewing Co.	<b>Matrix:</b> Solid
<b>Client Address:</b> 8335 Crystal View Road, Eden Prairie, MN 55344	<b>Date Received:</b> 4/21/2023 12:15:00PM
<b>Sample ID:</b> Flying Cloud Euphoricola, BN 230420-2	<b>Lab Sample ID:</b> 2301525-01
<b>Lot/Batch #:</b>	<b>Date of Report:</b> 5/11/2023 3:35:32PM

Analysis	Requested (Yes/No)
Cannabinoid Profile	Yes
Terpene Profile	No
Aflatoxins	Yes
Heavy Metals	Yes
Residual Solvents	Yes
Microbial Testing	Yes
Pesticides	Yes



Sample, packaged



Sample, actual

### Cannabinoid Profile 2301525-01 Flying Cloud Euphoricola, BN 230420-2

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Cannabichromene (CBC)	<0.000191	0.000191	% by Weight w	HPLC	5/3/23 6:24 am	
Cannabidiol (CBD)	<0.000191	0.000191	% by Weight w	HPLC	5/3/23 6:24 am	
Cannabidiolic Acid (CBDA)	<0.000191	0.000191	% by Weight w	HPLC	5/3/23 6:24 am	
Cannabigerol (CBG)	<0.000191	0.000191	% by Weight w	HPLC	5/3/23 6:24 am	
Cannabigerolic Acid (CBGA)	<0.000191	0.000191	% by Weight w	HPLC	5/3/23 6:24 am	
Cannabinol (CBN)	<0.000191	0.000191	% by Weight w	HPLC	5/3/23 6:24 am	
Delta-8-Tetrahydrocannabinol (d8-THC)	<0.000956	0.000956	% by Weight w	HPLC	5/3/23 6:24 am	
Delta-9-Tetrahydrocannabinol (d9-THC)	0.00173	0.000191	% by Weight w	HPLC	5/3/23 6:24 am	
THCA-A	<0.000191	0.000191	% by Weight w	HPLC	5/3/23 6:24 am	
Total CBG	<0.000359	0.000359	% by Weight w	HPLC	5/3/23 6:24 am	
Total CBD	<0.000359	0.000359	% by Weight w	HPLC	5/3/23 6:24 am	
Total THC	0.00173	0.000359	% by Weight w	HPLC	5/3/23 6:24 am	

### Aflatoxins 2301525-01 Flying Cloud Euphoricola, BN 230420-2

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Aflatoxin G2	<0.30	0.30	ng/g	LC-MS/MS	5/5/23 2:41 am	
Aflatoxin G1	<0.15	0.15	ng/g	LC-MS/MS	5/5/23 2:41 am	
Aflatoxin B2	<0.15	0.15	ng/g	LC-MS/MS	5/5/23 2:41 am	
Aflatoxin B1	<0.15	0.15	ng/g	LC-MS/MS	5/5/23 2:41 am	

*Taylor Schertler*

Taylor Schertler - Administrative Manager Investigative Chem

## Certificate of Analysis

### Heavy Metals

2301525-01

Flying Cloud Euphoricola, BN 230420-2

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Arsenic	<1.0	1.0	mg/kg wet	EPA 6010D	4/26/23 8:23 pm	
Cadmium	<0.10	0.10	mg/kg wet	EPA 6010D	4/26/23 8:23 pm	
Lead	<0.75	0.75	mg/kg wet	EPA 6010D	4/26/23 8:23 pm	
Mercury	<0.50	0.50	mg/kg wet	EPA 6010D	4/26/23 8:23 pm	

### Residual Solvents

2301525-01RE1

Flying Cloud Euphoricola, BN 230420-2

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Ethanol	<0.0055	0.0055	% by Weight	EPA 8015D	4/27/23 6:04 pm	
n-Hexane	<0.0045	0.0045	% by Weight	EPA 8015D	4/27/23 6:04 pm	
n-Pentane	<0.0043	0.0043	% by Weight	EPA 8015D	4/27/23 6:04 pm	

### Microbial Testing

2301525-01

Flying Cloud Euphoricola, BN 230420-2

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Salmonella	<1.0	1.0	CFU/g	AOAC 2014.01	4/27/23 9:40 am	
Total Aerobic Bacteria	<120	120	CFU/g	AOAC 990.12	4/27/23 4:22 pm	
Total Bile Tolerant Gram-Negative Bac	<70	70	CFU/g	AOAC 2003.01	4/26/23 3:56 pm	
Total Coliform	<4.6	4.6	CFU/g	AOAC 991.14	4/26/23 4:02 pm	
Total Yeast and Mold	<4.6	4.6	CFU/g	AOAC 997.02	4/28/23 8:28 am	
Total E.coli	<4.6	4.6	CFU/g	AOAC 991.14	4/27/23 4:15 pm	

## Certificate of Analysis

Pesticides

2301525-01

Flying Cloud Euphoricola, BN 230420-2

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Acetamiprid	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Aldicarb	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Azoxystrobin	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Bifenazate	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Bifenthrin	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Boscalid	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Carbaryl	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Carbofuran (Furadan)	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Chlorantranilprole	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Clofentezine	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Cypermethrin	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Diazinon	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Dichlorvos	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Dimethoate	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Dursban	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Ethoprophos	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Etofenprox	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Etoxazole	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Fenoxycarb	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Fenpyroximate	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Flonicamid	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Imazalil	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Imidacloprid	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Kresoxim methyl	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Malathion	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Metalaxyl	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Methiocarb	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Methomyl	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Myclobutanil	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Naled	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Oxamyl	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Permethrin	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Phosmet	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Piperonyl butoxide	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Prallethrin	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Propiconazole	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Propoxur	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Pyrethrin I	<0.038	0.038	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Pyrethrin II	<0.019	0.019	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Pyridaben	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Spinosad	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Spiromesifen	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Spirotetramat	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Spiroxamine	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	
Thiacloprid	<0.15	0.15	ug/g	LC-MS/MS	5/3/23 6:51 pm	

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Thiamethoxam	<0.15	0.15	ug/g	LC-MS/MS	5/3/23	6:51 pm
Trifloxystrobin	<0.15	0.15	ug/g	LC-MS/MS	5/3/23	6:51 pm

**Sample Narrative: 2301525-01**

**Flying Cloud Euphoricola, BN 230420-2**

2301525-01, Flying Cloud Euphoria. 8.2mL of D9-THC per 16 ounce can.

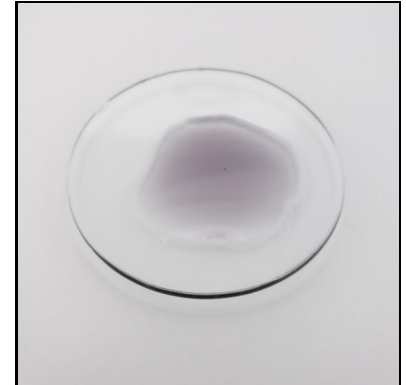
## Certificate of Analysis

<b>Client Name:</b> Fat Pants Brewing Co.	<b>Matrix:</b> Solid
<b>Client Address:</b> 8335 Crystal View Road, Eden Prairie, MN 55344	<b>Date Received:</b> 4/21/2023 12:15:00PM
<b>Sample ID:</b> Flying Cloud Grape Bomb, BN 230420-1	<b>Lab Sample ID:</b> 2301525-02
<b>Lot/Batch #:</b>	<b>Date of Report:</b> 5/11/2023 3:35:32PM

Analysis	Requested (Yes/No)
Cannabinoid Profile	Yes
Terpene Profile	No
Aflatoxins	Yes
Heavy Metals	Yes
Residual Solvents	Yes
Microbial Testing	Yes
Pesticides	Yes



Sample, packaged



Sample, actual

### Cannabinoid Profile 2301525-02 Flying Cloud Grape Bomb, BN 230420-1

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Cannabichromene (CBC)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 6:39 am	
Cannabidiol (CBD)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 6:39 am	
Cannabidiolic Acid (CBDA)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 6:39 am	
Cannabigerol (CBG)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 6:39 am	
Cannabigerolic Acid (CBGA)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 6:39 am	
Cannabinol (CBN)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 6:39 am	
Delta-8-Tetrahydrocannabinol (d8-THC)	<0.000943	0.000943	% by Weight w	HPLC	5/3/23 6:39 am	
Delta-9-Tetrahydrocannabinol (d9-THC)	0.00174	0.000189	% by Weight w	HPLC	5/3/23 6:39 am	
THCA-A	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 6:39 am	
Total CBG	<0.000354	0.000354	% by Weight w	HPLC	5/3/23 6:39 am	
Total CBD	<0.000354	0.000354	% by Weight w	HPLC	5/3/23 6:39 am	
Total THC	0.00174	0.000354	% by Weight w	HPLC	5/3/23 6:39 am	

### Aflatoxins 2301525-02 Flying Cloud Grape Bomb, BN 230420-1

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Aflatoxin G2	<0.30	0.30	ng/g	LC-MS/MS	5/5/23 2:52 am	
Aflatoxin G1	<0.15	0.15	ng/g	LC-MS/MS	5/5/23 2:52 am	
Aflatoxin B2	<0.15	0.15	ng/g	LC-MS/MS	5/5/23 2:52 am	
Aflatoxin B1	<0.15	0.15	ng/g	LC-MS/MS	5/5/23 2:52 am	



## Certificate of Analysis

Pesticides

2301525-02

Flying Cloud Grape Bomb, BN 230420-1

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Acetamiprid	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Aldicarb	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Azoxystrobin	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Bifenazate	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Bifenthrin	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Boscalid	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Carbaryl	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Carbofuran (Furadan)	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Chlorantranilprole	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Clofentezine	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Cypermethrin	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Diazinon	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Dichlorvos	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Dimethoate	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Dursban	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Ethoprophos	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Etofenprox	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Etoxazole	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Fenoxycarb	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Fenpyroximate	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Fonicamid	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Imazalil	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Imidacloprid	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Kresoxim methyl	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Malathion	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Metalaxyl	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Methiocarb	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Methomyl	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Myclobutanil	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Naled	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Oxamyl	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Permethrin	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Phosmet	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Piperonyl butoxide	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Prallethrin	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Propiconazole	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Propoxur	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Pyrethrin I	<0.031	0.031	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Pyrethrin II	<0.015	0.015	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Pyridaben	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Spinosad	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Spiromesifen	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Spirotetramat	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Spiroxamine	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	
Thiacloprid	<0.12	0.12	ug/g	LC-MS/MS	5/3/23 7:08 pm	

## Certificate of Analysis

Thiamethoxam	<0.12	0.12	ug/g	LC-MS/MS	5/3/23	7:08 pm
Trifloxystrobin	<0.12	0.12	ug/g	LC-MS/MS	5/3/23	7:08 pm

**Sample Narrative: 2301525-02**

**Flying Cloud Grape Bomb, BN 230420-1**

2301525-02, Flying CLOUD Grape Bomb. 8.2mg D9-THC per 16 ounce can.



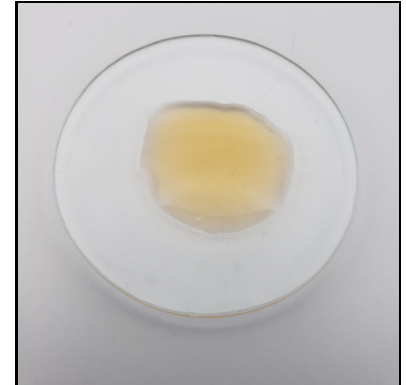
## Certificate of Analysis

<b>Client Name:</b> Fat Pants Brewing Co.	<b>Matrix:</b> Solid
<b>Client Address:</b> 8335 Crystal View Road, Eden Prairie, MN 55344	<b>Date Received:</b> 4/21/2023 12:15:00PM
<b>Sample ID:</b> Flying Cloud Orange Dream, BN 230420-3	<b>Lab Sample ID:</b> 2301525-03
<b>Lot/Batch #:</b>	<b>Date of Report:</b> 5/11/2023 3:35:32PM

Analysis	Requested (Yes/No)
Cannabinoid Profile	Yes
Terpene Profile	No
Aflatoxins	Yes
Heavy Metals	Yes
Residual Solvents	Yes
Microbial Testing	Yes
Pesticides	Yes



Sample, packaged



Sample, actual

### Cannabinoid Profile 2301525-03 Flying Cloud Orange Dream, BN 230420-3

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Cannabichromene (CBC)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:02 am	
Cannabidiol (CBD)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:02 am	
Cannabidiolic Acid (CBDA)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:02 am	
Cannabigerol (CBG)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:02 am	
Cannabigerolic Acid (CBGA)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:02 am	
Cannabinol (CBN)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:02 am	
Delta-8-Tetrahydrocannabinol (d8-THC)	<0.000944	0.000944	% by Weight w	HPLC	5/3/23 7:02 am	
Delta-9-Tetrahydrocannabinol (d9-THC)	0.00171	0.000189	% by Weight w	HPLC	5/3/23 7:02 am	
THCA-A	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:02 am	
Total CBG	<0.000355	0.000355	% by Weight w	HPLC	5/3/23 7:02 am	
Total CBD	<0.000354	0.000354	% by Weight w	HPLC	5/3/23 7:02 am	
Total THC	0.00171	0.000354	% by Weight w	HPLC	5/3/23 7:02 am	

### Aflatoxins 2301525-03 Flying Cloud Orange Dream, BN 230420-3

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Aflatoxin G2	<0.30	0.30	ng/g	LC-MS/MS	5/5/23 3:03 am	
Aflatoxin G1	<0.15	0.15	ng/g	LC-MS/MS	5/5/23 3:03 am	
Aflatoxin B2	<0.15	0.15	ng/g	LC-MS/MS	5/5/23 3:03 am	
Aflatoxin B1	<0.15	0.15	ng/g	LC-MS/MS	5/5/23 3:03 am	

## Certificate of Analysis

**Heavy Metals**                      **2301525-03**                      **Flying Cloud Orange Dream, BN 230420-3**

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Arsenic	<1.0	1.0	mg/kg wet	EPA 6010D	4/26/23 8:41 pm	
Cadmium	<0.10	0.10	mg/kg wet	EPA 6010D	4/26/23 8:41 pm	
Lead	<0.75	0.75	mg/kg wet	EPA 6010D	4/26/23 8:41 pm	
Mercury	<0.50	0.50	mg/kg wet	EPA 6010D	4/26/23 8:41 pm	

**Residual Solvents**                      **2301525-03RE1**                      **Flying Cloud Orange Dream, BN 230420-3**

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Ethanol	<0.0057	0.0057	% by Weight	EPA 8015D	4/28/23 12:51 am	
n-Hexane	<0.0047	0.0047	% by Weight	EPA 8015D	4/28/23 12:51 am	
n-Pentane	<0.0046	0.0046	% by Weight	EPA 8015D	4/28/23 12:51 am	

**Microbial Testing**                      **2301525-03**                      **Flying Cloud Orange Dream, BN 230420-3**

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Salmonella	<1.0	1.0	CFU/g	AOAC 2014.01	4/27/23 9:40 am	
Total Aerobic Bacteria	<110	110	CFU/g	AOAC 990.12	4/27/23 4:22 pm	
Total Bile Tolerant Gram-Negative Bac	<69	69	CFU/g	AOAC 2003.01	4/26/23 3:56 pm	
Total Coliform	<4.6	4.6	CFU/g	AOAC 991.14	4/26/23 4:02 pm	
Total Yeast and Mold	<4.6	4.6	CFU/g	AOAC 997.02	4/28/23 8:28 am	
Total E.coli	<4.6	4.6	CFU/g	AOAC 991.14	4/27/23 4:15 pm	

## Certificate of Analysis

Pesticides

2301525-03

Flying Cloud Orange Dream, BN 230420-3

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Acetamiprid	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Aldicarb	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Azoxystrobin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Bifenazate	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Bifenthrin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Boscalid	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Carbaryl	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Carbofuran (Furadan)	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Chlorantraniliprole	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Clofentezine	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Cypermethrin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Diazinon	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Dichlorvos	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Dimethoate	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Dursban	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Ethoprophos	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Etofenprox	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Etoxazole	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Fenoxycarb	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Fenpyroximate	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Flonicamid	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Imazalil	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Imidacloprid	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Kresoxim methyl	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Malathion	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Metalaxyl	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Methiocarb	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Methomyl	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Myclobutanil	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Naled	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Oxamyl	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Permethrin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Phosmet	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Piperonyl butoxide	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Prallethrin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Propiconazole	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Propoxur	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Pyrethrin I	<0.035	0.035	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Pyrethrin II	<0.017	0.017	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Pyridaben	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Spinosad	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Spiromesifen	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Spirotetramat	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Spiroxamine	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	
Thiacloprid	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:26 pm	

## Certificate of Analysis

Thiamethoxam	<0.14	0.14	ug/g	LC-MS/MS	5/3/23	7:26 pm
Trifloxystrobin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23	7:26 pm

**Sample Narrative: 2301525-03**

**Flying Cloud Orange Dream, BN 230420-3**

2301525-03, Flying Cloud Orange Dream. 8.1mg D9-THC per 16 ounce can.

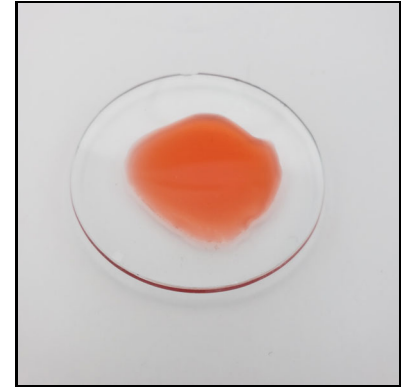
## Certificate of Analysis

<b>Client Name:</b> Fat Pants Brewing Co.	<b>Matrix:</b> Solid
<b>Client Address:</b> 8335 Crystal View Road, Eden Prairie, MN 55344	<b>Date Received:</b> 4/21/2023 12:15:00PM
<b>Sample ID:</b> Flying Cloud Merry Berry, BN 230420-4	<b>Lab Sample ID:</b> 2301525-04
<b>Lot/Batch #:</b>	<b>Date of Report:</b> 5/11/2023 3:35:32PM

Analysis	Requested (Yes/No)
Cannabinoid Profile	Yes
Terpene Profile	No
Aflatoxins	Yes
Heavy Metals	Yes
Residual Solvents	Yes
Microbial Testing	Yes
Pesticides	Yes



Sample, packaged



Sample, actual

### Cannabinoid Profile 2301525-04 Flying Cloud Merry Berry, BN 230420-4

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Cannabichromene (CBC)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:10 am	
Cannabidiol (CBD)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:10 am	
Cannabidiolic Acid (CBDA)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:10 am	
Cannabigerol (CBG)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:10 am	
Cannabigerolic Acid (CBGA)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:10 am	
Cannabinol (CBN)	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:10 am	
Delta-8-Tetrahydrocannabinol (d8-THC)	<0.000946	0.000946	% by Weight w	HPLC	5/3/23 7:10 am	
Delta-9-Tetrahydrocannabinol (d9-THC)	0.00175	0.000189	% by Weight w	HPLC	5/3/23 7:10 am	
THCA-A	<0.000189	0.000189	% by Weight w	HPLC	5/3/23 7:10 am	
Total CBG	<0.000355	0.000355	% by Weight w	HPLC	5/3/23 7:10 am	
Total CBD	<0.000355	0.000355	% by Weight w	HPLC	5/3/23 7:10 am	
Total THC	0.00175	0.000355	% by Weight w	HPLC	5/3/23 7:10 am	

### Aflatoxins 2301525-04RE1 Flying Cloud Merry Berry, BN 230420-4

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Aflatoxin G2	<0.30	0.30	ng/g	LC-MS/MS	5/9/23 11:41 pm	
Aflatoxin G1	<0.15	0.15	ng/g	LC-MS/MS	5/9/23 11:41 pm	
Aflatoxin B2	<0.15	0.15	ng/g	LC-MS/MS	5/9/23 11:41 pm	
Aflatoxin B1	<0.15	0.15	ng/g	LC-MS/MS	5/9/23 11:41 pm	

## Certificate of Analysis

### Heavy Metals

2301525-04

Flying Cloud Merry Berry, BN 230420-4

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Arsenic	<1.0	1.0	mg/kg wet	EPA 6010D	4/26/23 8:50 pm	
Cadmium	<0.10	0.10	mg/kg wet	EPA 6010D	4/26/23 8:50 pm	
Lead	<0.75	0.75	mg/kg wet	EPA 6010D	4/26/23 8:50 pm	
Mercury	<0.50	0.50	mg/kg wet	EPA 6010D	4/26/23 8:50 pm	

### Residual Solvents

2301525-04RE1

Flying Cloud Merry Berry, BN 230420-4

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Ethanol	<0.0053	0.0053	% by Weight	EPA 8015D	4/28/23 2:21 am	
n-Hexane	<0.0043	0.0043	% by Weight	EPA 8015D	4/28/23 2:21 am	
n-Pentane	<0.0042	0.0042	% by Weight	EPA 8015D	4/28/23 2:21 am	

### Microbial Testing

2301525-04

Flying Cloud Merry Berry, BN 230420-4

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Salmonella	<1.0	1.0	CFU/g	AOAC 2014.01	4/27/23 9:40 am	
Total Aerobic Bacteria	<120	120	CFU/g	AOAC 990.12	4/27/23 4:22 pm	
Total Bile Tolerant Gram-Negative Bac	<75	75	CFU/g	AOAC 2003.01	4/26/23 3:56 pm	
Total Coliform	<5.0	5.0	CFU/g	AOAC 991.14	4/26/23 4:02 pm	
Total Yeast and Mold	<5.0	5.0	CFU/g	AOAC 997.02	4/28/23 8:28 am	
Total E.coli	<5.0	5.0	CFU/g	AOAC 991.14	4/27/23 4:15 pm	

## Certificate of Analysis

Pesticides

2301525-04

Flying Cloud Merry Berry, BN 230420-4

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Acetamiprid	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Aldicarb	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Azoxystrobin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Bifenazate	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Bifenthrin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Boscalid	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Carbaryl	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Carbofuran (Furadan)	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Chlorantranilprole	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Clofentezine	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Cypermethrin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Diazinon	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Dichlorvos	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Dimethoate	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Dursban	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Ethoprophos	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Etofenprox	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Etoxazole	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Fenoxycarb	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Fenpyroximate	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Flonicamid	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Imazalil	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Imidacloprid	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Kresoxim methyl	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Malathion	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Metalaxyl	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Methiocarb	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Methomyl	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Myclobutanil	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Naled	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Oxamyl	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Permethrin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Phosmet	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Piperonyl butoxide	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Prallethrin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Propiconazole	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Propoxur	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Pyrethrin I	<0.034	0.034	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Pyrethrin II	<0.017	0.017	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Pyridaben	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Spinosad	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Spiromesifen	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Spirotetramat	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Spiroxamine	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	
Thiacloprid	<0.14	0.14	ug/g	LC-MS/MS	5/3/23 7:44 pm	

**Certificate of Analysis**

Thiamethoxam	<0.14	0.14	ug/g	LC-MS/MS	5/3/23	7:44 pm
Trifloxystrobin	<0.14	0.14	ug/g	LC-MS/MS	5/3/23	7:44 pm

**Sample Narrative: 2301525-04**

**Flying Cloud Merry Berry, BN 230420-4**

2301525-04, Flying Cloud Merry Berry. 8.3mg D9-THC per 16 ounce can.



## Certificate of Analysis

### Notes and Definitions

CFU/g	Colony Forming Units per Gram
HPLC	High-Performance Liquid Chromatography
MS	Mass Spectrometry
<	Less than value listed
RL	Reporting Limit
NA	Not Applicable
L5a	The associated blank spike recovery was above laboratory/method acceptance limits. This analyte was not detected in the sample.
QM-11	Spike recovery was outside of laboratory limits