

# Certificate of Analysis

**Order #** 2305HBR0005  
**Order Date:** 5/5/2023  
**Sample #** 2305HBR0005-012  
**Sampling Date:** 5/5/2023 00:05

**Receipt Date:** 5/5/2023 16:05  
**Completion Date:** 05/09/2023 16:31  
**Initial Gross Weight:** 10.33 g  
**Sampling Method:** LAB-025

**Product Name:** Lemon Gummies  
**Description:** 25 mg  
**Matrix:** Edible Gummy  
**Total Batch Weight or Volume:**



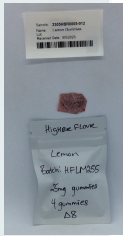
**Client:** Higher Flour LLC  
**Address:** 5822 Grand Oro Lane  
**Address:** Wesley Chapel, FL 33544

**Batch #:** HFLM255  
**Extracted From:**  
**Lot ID:**  
**Seed to Sale #:**

**Batch Date:** 5/5/2023  
**Cultivars:**  
**Test Reg State:** Hemp FL

**Cultivation Facility:**  
**Cultivation Date:**  
**Production Facility:**  
**Production Date:**

## SUMMARY



<b>TESTED</b> Potency	<b>NOT TESTED</b> Terpenes	<b>NOT TESTED</b> Pesticides	<b>NOT TESTED</b> Heavy Metals	<b>NOT TESTED</b> Total Contaminant Load	<b>NOT TESTED</b> Residual Solvents	<b>NOT TESTED</b> Total Aerobic Bacteria
<b>NOT TESTED</b> Mycotoxins	<b>NOT TESTED</b> Microbials	<b>NOT TESTED</b> Total Yeast and Mold	<b>NOT TESTED</b> Filtch and Foreign Material	<b>NOT TESTED</b> Water Activity	<b>NOT TESTED</b> Moisture	<b>NOT TESTED</b> Homogeneity

## POTENCY

**TESTED**

Analyte	LOD (mg/g)	Result (mg/g)	Result %	Result mg/unit
d8-THC	0.000246	8.11	0.811	20.880
d9-THC	0.00002	1.25	0.125	3.225
CBN	0.000009	0.160	0.016	0.412
CBG	0.000015	0.152	0.015	0.392
CBC	0.000004	ND	ND	N/A
CBD	0.00001	ND	ND	N/A
CBDA	0.000012	ND	ND	N/A
CBDV	0.000017	ND	ND	N/A
CBGA	0.000008	ND	ND	N/A
THCA	0.000012	ND	ND	N/A
THCV	0.000015	ND	ND	N/A

<b>Sample Prepared By:</b> 040	<b>Date/Time:</b> 5/9/2023 11:07	<b>Sample Analyzed By:</b> 040	<b>Date/Time:</b> 5/9/2023 11:25
<b>Batch Reviewed By:</b> 029	<b>Date/Time:</b> 5/9/2023 14:58	<b>Analysis #:</b> Potency 1	
<b>Specimen wt (g):</b> 0.5036		<b>Dilution:</b> 100	
<b>Analysis Method:</b> TM-001 Potency		<b>Instrument Used:</b> HPLC	

## POTENCY SUMMARY

<b>Total THC</b> 0.125%	<b>Total THC/Unit</b> 3.225 mg	<b>THC Label Claim</b> N/A N/A	<b>Total Cannabinoids</b> 0.967%
<b>Total CBD</b> 0.000%	<b>Total CBD/Unit</b> 0.000 mg	<b>CBD Label Claim</b> N/A N/A	<b>Total Cannabinoids/Unit</b> 24.910 mg

## TERPENES SUMMARY

Analyte	Result	Result %
(+/-)-Borneol		
(+/-)-Fenchone		
[+/-]-Camphor		
alpha-Bisabolol		
alpha-Cedrene		
alpha-Humulene		
alpha-Phellandrene		
alpha-Pinene		
alpha-Terpinene		
alpha-terpinolene		

**Total Terpenes:**

Showing top 10 Terpenes, full analysis on the following page.

Definitions and Abbreviations used in this report: Total THC = Delta 9 THC + (THCA\*0.877), Total CBD = CBD + (CBDA\*0.877), Total Cannabinoids = THC + THCA + CBD + CBDA + CBG + CBGA + Delta 8 THC + THCV + CBDV + CBC + CBN, Total THC and Total CBD are expressed as mg in total package weight, (Dilution) = Dilution Factor, (%) = Percent, (mg/g) = Milligrams per Gram, (mg/mL) = Milligrams per Milliliter, (mg/kg) = Milligrams per Kilogram, (ug/kg) = Microgram per Kilogram, (cfu/g) = Colony Forming Unit per Gram, Action Limit of Absent is equivalent to < 1 cfu/g, (aw) = Water Activity, (LOD) = Limit of Detection, (LOQ) = Limit of Quantitation; (ppm) = parts per million; (ppb) = parts per billion; Units for ppm also expressed as (mg/kg); Units for ppb also expressed as (ug/kg).

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**Anthony Repay**

**Lab Director-Micro**

**05/09/2023 16:31**

Page 1 of 6

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Sampling Method: LAB-025

Product Name: Lemon Gummies  
Description: 25 mg  
Matrix: Edible Gummy  
Total Batch Weight or Volume:



**Client:** Higher Flour LLC  
Address: 5822 Grand Oro Lane  
Address: Wesley Chapel, FL 33544

Batch #: HFLM255  
Extracted From:  
Lot ID:  
Seed to Sale #:

Batch Date: 5/5/2023  
Cultivars:  
Test Reg State: Hemp FL

Cultivation Facility:  
Cultivation Date:  
Production Facility:  
Production Date:

## TERPENES

## NOT TESTED

Analyte	LOD	Result	Result %	Analyte	LOD	Result	Result %
alpha-Pinene				Camphene			
Isopulegol				delta-3-Carene			
alpha-Terpinene				Eucalyptol			
gamma-Terpinene				alpha-terpinolene			
Linalool				Geraniol			
alpha-Humulene				Z-Nerolidol			
Menthol				E-Nerolidol			
Guaiol				E-Caryophyllene			
Nerol				alpha-Bisabolol			
Valencene				D-Limonene			
alpha-Cedrene				Sabinene			
Endo-Fenchyl Alcohol				Terpineol			
Pulegone				[+/-]-Camphor			
Isoborneol				(+/-)-Fenchone			
Ocimenes				Cedrol			
Farnesene				Geranyl acetate			
alpha-Phellandrene				beta-Pinene			
beta-Myrcene				Caryophyllene Oxide			
(+/-)-Borneol				Sabinene Hydrate			

Sample Prepared By: Date/Time: Sample Analyzed By: Date/Time:  
Batch Reviewed By: Date/Time: Analysis #  
Specimen wt: Dilution:  
Analysis Method: Instrument Used:

**Total Terpenes:** %

Definitions and Abbreviations used in this report: Total THC = Delta 9 THC + (THCA\*0.877), Total CBD = CBD + (CBDA\*0.877), Total Cannabinoids = THC + THCA + CBD + CBDA + CBG + CBGA + Delta 8 THC + THCV + CBDV + CBC + CBN, Total THC and Total CBD are expressed as mg in total package weight, (Dilution) = Dilution Factor, (%) = Percent, (mg/g) = Milligrams per Gram, (mg/mL) = Milligrams per Milliliter, (mg/kg) = Milligrams per Kilogram, (ug/kg) = Microgram per Kilogram, (cfu/g) = Colony Forming Unit per Gram, Action Limit of Absent is equivalent to < 1 cfu/g, (aw) = Water Activity, (LOD) = Limit of Detection, (LOQ) = Limit of Quantitation; (ppm) = parts per million; (ppb) = parts per billion; Units for ppm also expressed as (mg/kg); Units for ppb also expressed as (ug/kg).  
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*A. Repay*  
**Anthony Repay** Lab Director-Micro

05/09/2023 16:31

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Sampling Method: LAB-025

Product Name: Lemon Gummies  
Description: 25 mg  
Matrix: Edible Gummy  
Total Batch Weight or Volume:



**Client:** Higher Flour LLC  
Address: 5822 Grand Oro Lane  
Address: Wesley Chapel, FL 33544

Batch #: HFLM255  
Extracted From:  
Lot ID:  
Seed to Sale #:

Batch Date: 5/5/2023  
Cultivars:  
Test Reg State: Hemp FL

Cultivation Facility:  
Cultivation Date:  
Production Facility:  
Production Date:

## PESTICIDES

## NOT TESTED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status	Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Abamectin				N/A	Acephate				
Acequinocyl				N/A	Acetamidprid				
Aldicarb				N/A	Azoxystrobin				
Bifenazate				N/A	Bifenthrin				
Boscalid				N/A	Captan				
Carbaryl				N/A	Carbofuran				
Chlorantraniliprole				N/A	Chlordane				
Chlorfenapyr				N/A	Chlormequat chloride				
Chlorpyrifos				N/A	Clofentezine				
Coumaphos				N/A	Cyfluthrin				
Cypermethrin				N/A	Daminozide				
Diazinon				N/A	Dichlorvos				
Dimethoate				N/A	Dimethomorph				
Ethoprophos				N/A	Etofenprox				
Etoxazole				N/A	Fenhexamid				
Fenoxycarb				N/A	Fenpyroximate				
Fipronil				N/A	Fonicamid				
Fludioxonil				N/A	Hexythiazox				
Imazalil				N/A	Imidacloprid				
Kresoxim-methyl				N/A	Malathion				
Metalaxyl				N/A	Methiocarb				
Methomyl				N/A	Methyl parathion				
Mevinphos				N/A	Myclobutanil				
Naled				N/A	Oxamyl				
Pacloutrazol				N/A	Pentachloronitrobenzene				
Permethrin				N/A	Phosmet				
Piperonylbutoxide				N/A	Prallethrin				
Propiconazole				N/A	Propoxur				
Pyrethrins				N/A	Pyridaben				
Spinetoram				N/A	Spinosad A and D				
Spiromesifen				N/A	Spirotetramat				
Spiroxamine				N/A	Tebuconazole				
Thiacloprid				N/A	Thiamethoxam				
Trifloxystrobin				N/A					

Sample Prepared By:	Date/Time:	Specimen wt (g):	Dilution:	Analysis #
Sample Analyzed By:	Date/Time:	Analysis Method:		
Batch Reviewed By:	Date/Time:	Instrument Used:		
Sample Prepared By:	Date/Time:	Specimen wt (g):	Dilution:	Analysis #
Sample Analyzed By:	Date/Time:	Analysis Method:		
Batch Reviewed By:	Date/Time:	Instrument Used:		

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**Anthony Repay**

**Lab Director-Micro**

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Page 3 of 6

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Receipt Date: 5/5/2023 16:05  
Completion Date: 05/09/2023 16:31  
Initial Gross Weight: 10.33 g  
Sampling Method: LAB-025

Product Name: Lemon Gummies  
Description: 25 mg  
Matrix: Edible Gummy  
Total Batch Weight or Volume:



**Client:** Higher Flour LLC  
Address: 5822 Grand Oro Lane  
Address: Wesley Chapel, FL 33544

Batch #: HFLM255  
Extracted From:  
Lot ID:  
Seed to Sale #:

Batch Date: 5/5/2023  
Cultivars:  
Test Reg State: Hemp FL

Cultivation Facility:  
Cultivation Date:  
Production Facility:  
Production Date:

## HEAVY METALS NOT TESTED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Lead				N/A
Arsenic				N/A
Cadmium				N/A
Mercury				N/A

Sample Prepared By: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sample Analyzed By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Batch Reviewed By: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Analysis # \_\_\_\_\_

Specimen wt (g): \_\_\_\_\_ Dilution: \_\_\_\_\_

Analysis Method: \_\_\_\_\_ Instrument Used: \_\_\_\_\_

## RESIDUAL SOLVENTS NOT TESTED

Analyte	LOD (mg/kg)	Action Level (mg/kg)	Result (mg/kg)	Status
Acetone				N/A
Acetonitrile				N/A
Benzene				N/A
Butane				N/A
Chloroform				N/A
1,2-Dichloroethane				N/A
1,1-Dichloroethene				N/A
Ethanol				N/A
Ethyl acetate				N/A
Ethyl ether				N/A
Ethylene oxide				N/A
Heptane				N/A
Hexane				N/A
Isopropyl alcohol				N/A
Methanol				N/A
Methylene chloride				N/A
Pentane				N/A
Propane				N/A
Trichloroethylene				N/A
Toluene				N/A
Total xylenes				N/A

Sample Prepared By: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Sample Analyzed By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Batch Reviewed By: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Analysis # \_\_\_\_\_

Specimen wt (g): \_\_\_\_\_ Dilution: \_\_\_\_\_

Analysis Method: \_\_\_\_\_ Instrument Used: \_\_\_\_\_

## TOTAL CONTAMINANT LOAD

Analyte	Action Level (mg/kg)	Result (mg/kg)	Status
Heavy Metals/Pesticides			N/A

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**Anthony Repay** Lab Director-Micro

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Batch #: HFLM255  
Extracted From:  
Lot ID:  
Seed to Sale #:

Batch Date: 5/5/2023  
Cultivars:  
Test Reg State: Hemp FL

Cultivation Facility:  
Cultivation Date:  
Production Facility:  
Production Date:

## MYCOTOXINS NOT TESTED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Aflatoxin B1				N/A
Aflatoxin B2				N/A
Aflatoxin G1				N/A
Aflatoxin G2				N/A
Ochratoxin A				N/A
Total Aflatoxin				N/A

Sample Prepared By: Date/Time: Sample Analyzed By: Date/Time:  
Batch Reviewed By: Date/Time: Analysis #  
Specimen wt (g): Dilution:  
Analysis Method: Instrument Used:

## TOTAL YEAST AND MOLD NOT TESTED

Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Combined Yeasts & Molds			N/A

Sample Prepared By: Date/Time: Sample Analyzed By: Date/Time:  
Batch Reviewed By: Date/Time: Analysis #  
Specimen wt (g): Dilution:  
Analysis Method: Instrument Used:

## MICROBIAL NOT TESTED

Analyte	Action Level (present in 1 g)	Result (present in 1 g)	Status
Salmonella			N/A
Shiga Toxin E. coli			N/A
Total Aspergillus*			N/A

Sample Prepared By: Date/Time: Sample Analyzed By: Date/Time:  
Batch Reviewed By: Date/Time: Analysis #  
Specimen wt (g): Dilution:  
Analysis Method: Instrument Used:  
  
\* Total Aspergillus represents the sum of the results of Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, and Aspergillus terreus.

## FILTH & FOREIGN MATERIAL NOT TESTED

Analyte	Action Level	Result	Status
Feces Amount (mg/kg)			N/A
Filth (%)			N/A
Foreign Material (per 3g)			N/A

Sample Analyzed By: Date/Time:  
Batch Reviewed By: Date/Time: Analysis #  
Specimen wt (g):  
Analysis Method: Instrument Used:

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**Anthony Repay** Lab Director-Micro

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Page 5 of 6

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Total Batch Weight or Volume:



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Lot ID:  
Seed to Sale #:

Batch Date: 5/5/2023  
Cultivars:  
Test Reg State: Hemp FL

Cultivation Facility:  
Cultivation Date:  
Production Facility:  
Production Date:

WATER ACTIVITY		NOT TESTED	
Analyte	Action Level (aw)	Result (aw)	Status
Water Activity			N/A
Sample Analyzed By:	Date/Time:		
Batch Reviewed By:	Date/Time:	Analysis #	
Specimen wt (g):			
Analysis Method:		Instrument Used:	

MOISTURE		NOT TESTED	
Analyte	Action Level (%)	Result (%)	Status
Moisture Content			N/A
Sample Analyzed By:	Date/Time:		
Batch Reviewed By:	Date/Time:	Analysis #	
Specimen wt (g):			
Analysis Method:		Instrument Used:	

TOTAL AEROBIC BACTERIA		NOT TESTED	
Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Aerobic Bacteria			N/A
Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
Batch Reviewed By:	Date/Time:	Analysis #	
Specimen wt (g):		Dilution:	
Analysis Method:		Instrument Used:	

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**Anthony Repay** Lab Director-Micro

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