



**CATLAB, LLC**  
19 Levesque Dr. #3  
Eliot, ME 03903  
207-200-9950  
ME OCP: MTF368

## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06940	<b>Strain</b>	Locomotion 12390
<b>METRC Sample ID</b>	1A40D0300000BB9000012390	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.6g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	0.271
CBDA	0.358
CBD	< RL
CBG	0.681
CBN	< RL
CBGA	1.16
CBC	< RL
exoTHC	< RL
$\Delta^9$ -THC	4.57
$\Delta^8$ THC	< RL
THCA	157
<b>Total Cannabinoids %</b>	16.4
<b>Total CBD mg/g</b>	0.314
<b>Total THC mg/g</b>	142
<b>Total CBD %</b>	0.0314
<b>Total THC %</b>	14.2

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		<b>Date Generated</b>	05/10/2023

### Potency

**Date Analyzed:** 05/06/23  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	0.0271	0.271	N/A	0.0101	0.101
CBDA	0.0358	0.358	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0681	0.681	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	0.116	1.16	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
$\Delta^9$ -THC	0.457	4.57	N/A	0.0101	0.101
$\Delta^8$ THC	< RL	< RL	N/A	0.0101	0.101
THCA	15.7	157	N/A	0.0101	0.101

CRM Failure for THC > 120%. Flag required.

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		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoxazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapir, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/3/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	100,000	Pass
Total Yeast/Mold	210	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.44	0.11	0.65	Pass

Deisy Peña-Romero Lab Director



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<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06941	<b>Strain</b>	Gelato 33 12388
<b>METRC Sample ID</b>	1A40D0300000BB9000012388	<b>Serving Mass (g)/ Package</b>	/
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### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	0.241
CBDA	0.582
CBD	< RL
CBG	1.91
CBN	< RL
CBGA	8.91
CBC	< RL
exoTHC	< RL
$\Delta^9$ -THC	4.31
$\Delta^8$ THC	< RL
THCA	252
<b>Total Cannabinoids %</b>	26.8
<b>Total CBD mg/g</b>	0.511
<b>Total THC mg/g</b>	226
<b>Total CBD %</b>	0.0511
<b>Total THC %</b>	22.6

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### Potency

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**Prep Date:** 5/5/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	0.0241	0.241	N/A	0.0101	0.101
CBDA	0.0582	0.582	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.191	1.91	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	0.891	8.91	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
$\Delta^9$ -THC	0.431	4.31	N/A	0.0101	0.101
$\Delta^8$ THC	< RL	< RL	N/A	0.0101	0.101
THCA	25.2	252	N/A	0.0101	0.101

CRM failure, THC >120% recovery.

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<b>Sample ID</b>	06941	<b>Strain</b>	Gelato 33 12388
<b>METRC Sample ID</b>	1A40D0300000BB9000012388	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.7g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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**CATLAB, LLC**  
19 Levesque Dr. #3  
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207-200-9950  
ME OCP: MTF368

## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06941	<b>Strain</b>	Gelato 33 12388
<b>METRC Sample ID</b>	1A40D0300000BB9000012388	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.7g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapr, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06941	<b>Strain</b>	Gelato 33 12388
<b>METRC Sample ID</b>	1A40D0300000BB9000012388	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.7g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/4/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	100,000	Pass
Total Yeast/Mold	210	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06941	<b>Strain</b>	Gelato 33 12388
<b>METRC Sample ID</b>	1A40D0300000BB9000012388	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.7g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06941	<b>Strain</b>	Gelato 33 12388
<b>METRC Sample ID</b>	1A40D0300000BB9000012388	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.7g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.47	0.11	0.65	Pass

Deisy Peña-Romero Lab Director



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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06942	<b>Strain</b>	MAC10 12391
<b>METRC Sample ID</b>	1A40D0300000BB9000012391	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	0.171
CBDA	0.576
CBD	< RL
CBG	0.755
CBN	< RL
CBGA	16.5
CBC	< RL
exoTHC	< RL
$\Delta^9$ -THC	4.77
$\Delta^8$ THC	< RL
THCA	261
<b>Total Cannabinoids %</b>	28.3
<b>Total CBD mg/g</b>	0.505
<b>Total THC mg/g</b>	233
<b>Total CBD %</b>	0.0505
<b>Total THC %</b>	23.3

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06942	<b>Strain</b>	MAC10 12391
<b>METRC Sample ID</b>	1A40D0300000BB9000012391	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Potency

**Date Analyzed:** 5/8/23  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 5/5/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	< RL	< RL	N/A	0.0101	0.101
CBDA	0.0576	0.576	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0755	0.755	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	1.65	16.5	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
$\Delta^9$ -THC	0.477	4.77	N/A	0.0101	0.101
$\Delta^8$ THC	< RL	< RL	N/A	0.0101	0.101
THCA	26.1	261	N/A	0.0101	0.101

CRM failure, THC >120% recovery.

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06942	<b>Strain</b>	MAC10 12391
<b>METRC Sample ID</b>	1A40D0300000BB9000012391	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06942	<b>Strain</b>	MAC10 12391
<b>METRC Sample ID</b>	1A40D0300000BB9000012391	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapir, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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**CATLAB, LLC**  
19 Levesque Dr. #3  
Eliot, ME 03903  
207-200-9950  
ME OCP: MTF368

## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06942	<b>Strain</b>	MAC10 12391
<b>METRC Sample ID</b>	1A40D0300000BB9000012391	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/4/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	100,000	Pass
Total Yeast/Mold	1000	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06942	<b>Strain</b>	MAC10 12391
<b>METRC Sample ID</b>	1A40D0300000BB9000012391	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06942	<b>Strain</b>	MAC10 12391
<b>METRC Sample ID</b>	1A40D0300000BB9000012391	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.49	0.11	0.65	Pass

Deisy Peña-Romero Lab Director



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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06943	<b>Strain</b>	False Teeth 12398
<b>METRC Sample ID</b>	1A40D0300000BB9000012398	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	0.139
CBDA	0.450
CBD	< RL
CBG	0.704
CBN	< RL
CBGA	10.3
CBC	< RL
exoTHC	< RL
$\Delta^9$ -THC	5.31
$\Delta^8$ THC	< RL
THCA	210
<b>Total Cannabinoids %</b>	22.7
<b>Total CBD mg/g</b>	0.395
<b>Total THC mg/g</b>	190
<b>Total CBD %</b>	0.0395
<b>Total THC %</b>	19.0

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<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06943	<b>Strain</b>	False Teeth 12398
<b>METRC Sample ID</b>	1A40D0300000BB9000012398	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Potency

**Date Analyzed:** 5/8/23  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 5/5/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	< RL	< RL	N/A	0.0101	0.101
CBDA	0.0450	0.450	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0704	0.704	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	1.03	10.3	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
$\Delta^9$ -THC	0.531	5.31	N/A	0.0101	0.101
$\Delta^8$ THC	< RL	< RL	N/A	0.0101	0.101
THCA	21.0	210	N/A	0.0101	0.101

CRM failure, THC >120% recovery.

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06943	<b>Strain</b>	False Teeth 12398
<b>METRC Sample ID</b>	1A40D0300000BB9000012398	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06943	<b>Strain</b>	False Teeth 12398
<b>METRC Sample ID</b>	1A40D0300000BB9000012398	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapir, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
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<b>METRC Sample ID</b>	1A40D0300000BB9000012398	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
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		<b>Date Generated</b>	05/10/2023

### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/4/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	100,000	Pass
Total Yeast/Mold	< RL	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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<b>Sample ID</b>	06943	<b>Strain</b>	False Teeth 12398
<b>METRC Sample ID</b>	1A40D0300000BB9000012398	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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**CATLAB, LLC**  
19 Levesque Dr. #3  
Eliot, ME 03903  
207-200-9950  
ME OCP: MTF368

## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06943	<b>Strain</b>	False Teeth 12398
<b>METRC Sample ID</b>	1A40D0300000BB9000012398	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.49	0.11	0.65	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06944	<b>Strain</b>	HBK 12396
<b>METRC Sample ID</b>	1A40D0300000BB9000012396	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	0.143
CBDA	0.409
CBD	< RL
CBG	0.621
CBN	< RL
CBGA	2.36
CBC	< RL
exoTHC	< RL
$\Delta^9$ -THC	4.43
$\Delta^8$ THC	< RL
THCA	191
<b>Total Cannabinoids %</b>	19.9
<b>Total CBD mg/g</b>	0.358
<b>Total THC mg/g</b>	172
<b>Total CBD %</b>	0.0358
<b>Total THC %</b>	17.2

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06944	<b>Strain</b>	HBK 12396
<b>METRC Sample ID</b>	1A40D0300000BB9000012396	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Potency

**Date Analyzed:** 5/8/23  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 5/5/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	< RL	< RL	N/A	0.0101	0.101
CBDA	0.0409	0.409	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0621	0.621	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	0.236	2.36	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
$\Delta^9$ -THC	0.443	4.43	N/A	0.0101	0.101
$\Delta^8$ THC	< RL	< RL	N/A	0.0101	0.101
THCA	19.1	191	N/A	0.0101	0.101

CRM failure, THC >120% recovery.

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06944	<b>Strain</b>	HBK 12396
<b>METRC Sample ID</b>	1A40D0300000BB9000012396	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06944	<b>Strain</b>	HBK 12396
<b>METRC Sample ID</b>	1A40D0300000BB9000012396	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapir, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06944	<b>Strain</b>	HBK 12396
<b>METRC Sample ID</b>	1A40D0300000BB9000012396	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/4/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	100,000	Pass
Total Yeast/Mold	< RL	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06944	<b>Strain</b>	HBK 12396
<b>METRC Sample ID</b>	1A40D0300000BB9000012396	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06944	<b>Strain</b>	HBK 12396
<b>METRC Sample ID</b>	1A40D0300000BB9000012396	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.47	0.11	0.65	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06946	<b>Strain</b>	Brandy 12392
<b>METRC Sample ID</b>	1A40D0300000BB9000012392	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	0.164
CBDA	0.468
CBD	< RL
CBG	0.702
CBN	< RL
CBGA	3.32
CBC	< RL
exoTHC	< RL
$\Delta^9$ -THC	3.21
$\Delta^8$ THC	< RL
THCA	203
<b>Total Cannabinoids %</b>	21.1
<b>Total CBD mg/g</b>	0.410
<b>Total THC mg/g</b>	181
<b>Total CBD %</b>	0.0410
<b>Total THC %</b>	18.1

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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06946	<b>Strain</b>	Brandy 12392
<b>METRC Sample ID</b>	1A40D0300000BB9000012392	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Potency

**Date Analyzed:** 5/8/23  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 5/5/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	< RL	< RL	N/A	0.0101	0.101
CBDA	0.0468	0.468	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0702	0.702	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	0.332	3.32	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
$\Delta^9$ -THC	0.321	3.21	N/A	0.0101	0.101
$\Delta^8$ THC	< RL	< RL	N/A	0.0101	0.101
THCA	20.3	203	N/A	0.0101	0.101

CRM failure, THC >120% recovery.

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207-200-9950  
ME OCP: MTF368

## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06946	<b>Strain</b>	Brandy 12392
<b>METRC Sample ID</b>	1A40D0300000BB9000012392	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06946	<b>Strain</b>	Brandy 12392
<b>METRC Sample ID</b>	1A40D0300000BB9000012392	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapir, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06946	<b>Strain</b>	Brandy 12392
<b>METRC Sample ID</b>	1A40D0300000BB9000012392	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/4/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	100	100	100,000	Pass
Total Yeast/Mold	< RL	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06946	<b>Strain</b>	Brandy 12392
<b>METRC Sample ID</b>	1A40D0300000BB9000012392	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06946	<b>Strain</b>	Brandy 12392
<b>METRC Sample ID</b>	1A40D0300000BB9000012392	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.49	0.11	0.65	Pass

Deisy Peña-Romero Lab Director



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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06947	<b>Strain</b>	SSP 12397
<b>METRC Sample ID</b>	1A40D0300000BB9000012397	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	< RL
CBDA	0.291
CBD	< RL
CBG	0.633
CBN	< RL
CBGA	20.3
CBC	< RL
exoTHC	< RL
$\Delta^9$ -THC	8.38
$\Delta^8$ THC	< RL
THCA	130
<b>Total Cannabinoids %</b>	16.0
<b>Total CBD mg/g</b>	0.255
<b>Total THC mg/g</b>	123
<b>Total CBD %</b>	0.0255
<b>Total THC %</b>	12.3

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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06947	<b>Strain</b>	SSP 12397
<b>METRC Sample ID</b>	1A40D0300000BB9000012397	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Potency

**Date Analyzed:** 5/8/23  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 5/5/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	< RL	< RL	N/A	0.0101	0.101
CBDA	0.0291	0.291	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0633	0.633	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	2.03	20.3	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
$\Delta^9$ -THC	0.838	8.38	N/A	0.0101	0.101
$\Delta^8$ THC	< RL	< RL	N/A	0.0101	0.101
THCA	13.0	130	N/A	0.0101	0.101

CRM failure, THC >120% recovery.

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06947	<b>Strain</b>	SSP 12397
<b>METRC Sample ID</b>	1A40D0300000BB9000012397	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06947	<b>Strain</b>	SSP 12397
<b>METRC Sample ID</b>	1A40D0300000BB9000012397	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapir, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06947	<b>Strain</b>	SSP 12397
<b>METRC Sample ID</b>	1A40D0300000BB9000012397	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/4/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	100,000	Pass
Total Yeast/Mold	890	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06947	<b>Strain</b>	SSP 12397
<b>METRC Sample ID</b>	1A40D0300000BB9000012397	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06947	<b>Strain</b>	SSP 12397
<b>METRC Sample ID</b>	1A40D0300000BB9000012397	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.46	0.11	0.65	Pass

Deisy Peña-Romero Lab Director



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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06948	<b>Strain</b>	Alien Rift 12395
<b>METRC Sample ID</b>	1A40D0300000BB9000012395	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	< RL
CBDA	0.498
CBD	< RL
CBG	1.08
CBN	< RL
CBGA	19.8
CBC	0.158
exoTHC	< RL
$\Delta^9$ -THC	15.8
$\Delta^8$ THC	< RL
THCA	214
<b>Total Cannabinoids %</b>	25.1
<b>Total CBD mg/g</b>	0.437
<b>Total THC mg/g</b>	204
<b>Total CBD %</b>	0.0437
<b>Total THC %</b>	20.4

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<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06948	<b>Strain</b>	Alien Rift 12395
<b>METRC Sample ID</b>	1A40D0300000BB9000012395	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Potency

**Date Analyzed:** 5/8/23  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 5/5/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	< RL	< RL	N/A	0.0101	0.101
CBDA	0.0498	0.498	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.108	1.08	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	1.98	19.8	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
$\Delta^9$ -THC	1.58	15.8	N/A	0.0101	0.101
$\Delta^8$ THC	< RL	< RL	N/A	0.0101	0.101
THCA	21.4	214	N/A	0.0101	0.101

CRM failure, THC >120% recovery.

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06948	<b>Strain</b>	Alien Rift 12395
<b>METRC Sample ID</b>	1A40D0300000BB9000012395	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06948	<b>Strain</b>	Alien Rift 12395
<b>METRC Sample ID</b>	1A40D0300000BB9000012395	<b>Serving Mass (g)/ Package</b>	/
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		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapr, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06948	<b>Strain</b>	Alien Rift 12395
<b>METRC Sample ID</b>	1A40D0300000BB9000012395	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/4/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	100,000	Pass
Total Yeast/Mold	4600	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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**CATLAB, LLC**  
19 Levesque Dr. #3  
Eliot, ME 03903  
207-200-9950  
ME OCP: MTF368

## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06948	<b>Strain</b>	Alien Rift 12395
<b>METRC Sample ID</b>	1A40D0300000BB9000012395	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06948	<b>Strain</b>	Alien Rift 12395
<b>METRC Sample ID</b>	1A40D0300000BB9000012395	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	9.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.49	0.11	0.65	Pass

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207-200-9950  
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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06949	<b>Strain</b>	KLP 12400
<b>METRC Sample ID</b>	1A40D0300000BB9000012400	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.3g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	< RL
CBDA	0.466
CBD	< RL
CBG	0.478
CBN	< RL
CBGA	3.18
CBC	< RL
exoTHC	< RL
$\Delta^9$ -THC	3.33
$\Delta^8$ THC	< RL
THCA	202
<b>Total Cannabinoids %</b>	21.0
<b>Total CBD mg/g</b>	0.408
<b>Total THC mg/g</b>	181
<b>Total CBD %</b>	0.0408
<b>Total THC %</b>	18.1

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06949	<b>Strain</b>	KLP 12400
<b>METRC Sample ID</b>	1A40D0300000BB9000012400	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.3g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Potency

**Date Analyzed:** 5/8/23  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 5/5/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	< RL	< RL	N/A	0.0101	0.101
CBDA	0.0466	0.466	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0478	0.478	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	0.318	3.18	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
$\Delta^9$ -THC	0.333	3.33	N/A	0.0101	0.101
$\Delta^8$ THC	< RL	< RL	N/A	0.0101	0.101
THCA	20.2	202	N/A	0.0101	0.101

CRM failure, THC >120% recovery.

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06949	<b>Strain</b>	KLP 12400
<b>METRC Sample ID</b>	1A40D0300000BB9000012400	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.3g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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**CATLAB, LLC**  
19 Levesque Dr. #3  
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207-200-9950  
ME OCP: MTF368

## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06949	<b>Strain</b>	KLP 12400
<b>METRC Sample ID</b>	1A40D0300000BB9000012400	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.3g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapir, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06949	<b>Strain</b>	KLP 12400
<b>METRC Sample ID</b>	1A40D0300000BB9000012400	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.3g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/4/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	100,000	Pass
Total Yeast/Mold	2300	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06949	<b>Strain</b>	KLP 12400
<b>METRC Sample ID</b>	1A40D0300000BB9000012400	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.3g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06949	<b>Strain</b>	KLP 12400
<b>METRC Sample ID</b>	1A40D0300000BB9000012400	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.3g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.51	0.11	0.65	Pass

Deisy Peña-Romero Lab Director



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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06950	<b>Strain</b>	Die Hard 12389
<b>METRC Sample ID</b>	1A40D0300000BB9000012389	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	< RL
CBDA	0.345
CBD	< RL
CBG	0.417
CBN	< RL
CBGA	8.60
CBC	< RL
exoTHC	< RL
$\Delta^9$ -THC	4.36
$\Delta^8$ THC	< RL
THCA	157
<b>Total Cannabinoids %</b>	17.1
<b>Total CBD mg/g</b>	0.303
<b>Total THC mg/g</b>	142
<b>Total CBD %</b>	0.0303
<b>Total THC %</b>	14.2

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**CATLAB, LLC**  
19 Levesque Dr. #3  
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207-200-9950  
ME OCP: MTF368

## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06950	<b>Strain</b>	Die Hard 12389
<b>METRC Sample ID</b>	1A40D0300000BB9000012389	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Potency

**Date Analyzed:** 5/8/23  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 5/5/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	< RL	< RL	N/A	0.0101	0.101
CBDA	0.0345	0.345	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0417	0.417	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	0.860	8.60	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
$\Delta^9$ -THC	0.436	4.36	N/A	0.0101	0.101
$\Delta^8$ THC	< RL	< RL	N/A	0.0101	0.101
THCA	15.7	157	N/A	0.0101	0.101

CRM failure, THC >120% recovery.

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06950	<b>Strain</b>	Die Hard 12389
<b>METRC Sample ID</b>	1A40D0300000BB9000012389	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06950	<b>Strain</b>	Die Hard 12389
<b>METRC Sample ID</b>	1A40D0300000BB9000012389	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapir, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06950	<b>Strain</b>	Die Hard 12389
<b>METRC Sample ID</b>	1A40D0300000BB9000012389	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/4/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	100,000	Pass
Total Yeast/Mold	5300	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06950	<b>Strain</b>	Die Hard 12389
<b>METRC Sample ID</b>	1A40D0300000BB9000012389	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06950	<b>Strain</b>	Die Hard 12389
<b>METRC Sample ID</b>	1A40D0300000BB9000012389	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.47	0.11	0.65	Pass

Deisy Peña-Romero Lab Director



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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06951	<b>Strain</b>	Koffee Face 12399
<b>METRC Sample ID</b>	1A40D0300000BB9000012399	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	< RL
CBDA	0.295
CBD	< RL
CBG	0.398
CBN	< RL
CBGA	3.96
CBC	< RL
exoTHC	< RL
$\Delta^9$ -THC	3.63
$\Delta^8$ THC	< RL
THCA	136
<b>Total Cannabinoids %</b>	14.4
<b>Total CBD mg/g</b>	0.258
<b>Total THC mg/g</b>	123
<b>Total CBD %</b>	0.0258
<b>Total THC %</b>	12.3

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### Potency

**Date Analyzed:** 5/8/23  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 5/5/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	< RL	< RL	N/A	0.0101	0.101
CBDA	0.0295	0.295	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0398	0.398	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	0.396	3.96	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
$\Delta^9$ -THC	0.363	3.63	N/A	0.0101	0.101
$\Delta^8$ THC	< RL	< RL	N/A	0.0101	0.101
THCA	13.6	136	N/A	0.0101	0.101

CRM failure, THC >120% recovery.

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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
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		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoxazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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**CATLAB, LLC**  
19 Levesque Dr. #3  
Eliot, ME 03903  
207-200-9950  
ME OCP: MTF368

## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06951	<b>Strain</b>	Koffee Face 12399
<b>METRC Sample ID</b>	1A40D0300000BB9000012399	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapir, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06951	<b>Strain</b>	Koffee Face 12399
<b>METRC Sample ID</b>	1A40D0300000BB9000012399	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/4/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	100,000	Pass
Total Yeast/Mold	< RL	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

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## Certificate of Analysis

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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06951	<b>Strain</b>	Koffee Face 12399
<b>METRC Sample ID</b>	1A40D0300000BB9000012399	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06951	<b>Strain</b>	Koffee Face 12399
<b>METRC Sample ID</b>	1A40D0300000BB9000012399	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	6.5g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.45	0.11	0.65	Pass

Deisy Peña-Romero Lab Director



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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06952	<b>Strain</b>	P Cham 12393
<b>METRC Sample ID</b>	1A40D0300000BB9000012393	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Summary of Results

Water Activity Profile	
All Results	Pass

Filth and Foreign Materials Screening	
All Results	Pass

Microbiological Screening	
All Results	Pass

Heavy Metals Screening	
All Results	Pass

Pesticides Screening	
All Results	Pass

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	< RL
CBDA	0.511
CBD	< RL
CBG	0.498
CBN	< RL
CBGA	3.39
CBC	< RL
exoTHC	< RL
$\Delta^9$ -THC	4.89
$\Delta^8$ THC	< RL
THCA	233
<b>Total Cannabinoids %</b>	24.3
<b>Total CBD mg/g</b>	0.448
<b>Total THC mg/g</b>	210
<b>Total CBD %</b>	0.0448
<b>Total THC %</b>	21.0

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<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06952	<b>Strain</b>	P Cham 12393
<b>METRC Sample ID</b>	1A40D0300000BB9000012393	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Potency

**Date Analyzed:** 5/8/23  
**Instrument:** UPLC CAT-0002/CAT-0151

**Prep Date:** 5/5/23  
**Method:** SOP-QA-0016

**Analyst:** AC

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	< RL	< RL	N/A	0.0101	0.101
CBDA	0.0511	0.511	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0498	0.498	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	0.339	3.39	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
Δ9-THC	0.489	4.89	N/A	0.0101	0.101
Δ8THC	< RL	< RL	N/A	0.0101	0.101
THCA	23.3	233	N/A	0.0101	0.101

CRM failure, THC >120% recovery.

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06952	<b>Strain</b>	P Cham 12393
<b>METRC Sample ID</b>	1A40D0300000BB9000012393	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail	Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Abamectin	< RL	403	500	Pass	Dimethoate	< RL	39.9	200	Pass
Acephate	< RL	55.6	400	Pass	Ethoprophos	< RL	33.9	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Etofenprox	< RL	78.1	400	Pass
Acetamiprid	< RL	31.2	200	Pass	Etoazole	< RL	61.2	200	Pass
Aldicarb	< RL	31.2	400	Pass	Fenoxycarb	< RL	89.9	200	Pass
Azoxystrobin	< RL	33.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Bifenazate	< RL	31.2	200	Pass	Fipronil	< RL	112	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Boscalid	< RL	42.9	400	Pass	Fludioxonil	< RL	62.5	400	Pass
Carbaryl	< RL	37.0	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Carbofuran	< RL	31.2	200	Pass	Imazalil	< RL	87.3	200	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Chlorfenapyr	< RL	919	1000	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Malathion	< RL	66.0	200	Pass
Clofentezine	< RL	56.7	200	Pass	Metalaxyl	< RL	56.4	200	Pass
Cyfluthrin	< RL	798	1000	Pass	Methiocarb	< RL	31.2	200	Pass
Cypermethrin	< RL	196	1000	Pass	Methomyl	< RL	31.2	400	Pass
Daminozide	< RL	329	1000	Pass	Methyl parathion	< RL	193	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	MGK-264 <sup>2</sup>	< RL	70.2	200	Pass
Diazinon	< RL	55.3	200	Pass	Myclobutanil	< RL	37.3	200	Pass
					Naled	< RL	42.2	500	Pass

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## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06952	<b>Strain</b>	P Cham 12393
<b>METRC Sample ID</b>	1A40D0300000BB9000012393	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Pesticides

**Date Analyzed:** 5/8/23  
**Instrument:** CAT-0162

**Prep Date:** 5/4/23  
**Method:** SOP QA-0040

**Analyst:** LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Oxamyl	< RL	31.2	1000	Pass
Paclobutrazol	< RL	52.5	400	Pass
Permethrin <sup>3</sup>	< RL	199	200	Pass
Phosmet	< RL	55.8	200	Pass
Piperonyl butoxide	< RL	59.0	2000	Pass
Prallethrin	< RL	103	200	Pass
Propiconazole	< RL	59.5	400	Pass
Propoxur	< RL	31.2	200	Pass
Pyrethrins <sup>1</sup>	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad <sup>4</sup>	< RL	62.4	200	Pass
Spiromesifen	< RL	62.5	200	Pass
Spirotetramat	< RL	37.5	200	Pass
Spiroxamine	< RL	37.9	400	Pass
tebuconazole	< RL	69.2	400	Pass
Thiacloprid	< RL	31.2	200	Pass
Thiamethoxam	< RL	62.6	200	Pass
Trifloxystrobin	< RL	59.3	200	Pass

#### Disclaimer:

1. Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
2. MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
3. Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
4. Spinosad is a measured as cumulative residue of Spinosad A and Spinosad D (CAS # 168316-95-8 and 131929-60-7, respectively).

Note: QC samples presented analytes outside criteria in CCV (high bias for chlorfenapir, flonicamid, and imazalil), LCS (acequinocyl, bifenthrin, dichlorvos, etofenprox, prallethrin, and abamectin), and spiked matrix sample.

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<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06952	<b>Strain</b>	P Cham 12393
<b>METRC Sample ID</b>	1A40D0300000BB9000012393	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Heavy Metals

**Date Analyzed:** 5/5/23  
**Instrument:** CAT-0093

**Prep Date:** 5/4/23  
**Method:** SOP-QA-0030

**Analyst:** ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	84.7	200	Pass
Cadmium	< RL	55.9	200	Pass
Lead	< RL	24.7	500	Pass
Mercury	< RL	4.89	100	Pass

### Microbial Analysis

**Prep Date Bacteria:** 5/4/23  
**Date Analyzed Bacteria:** 5/5/23  
**Instrument:** CAT-0140, CAT-0152

**Prep Date Ecoli/SLM:** 5/4/23  
**Date Analyzed Ecoli/SLM:** 5/5/23  
**Method:** SOP-QA-0028, SOP-QA-0038

**Prep Date Yeast and Mold:** 5/5/23  
**Date Analyzed Yeast and Mold:** 5/8/23  
**Analyst:** KW

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	< RL	100	100,000	Pass
Total Yeast/Mold	590	100	10,000	Pass
Total Enterobacter	< RL	100	1,000	Pass
Total Coliform	< RL	100	1,000	Pass
Escherichia Coli (E. Coli)	< RL	1	1	Pass
Salmonella spp	< RL	1	1	Pass

**DISCLAIMER:** mg/L=ppm, µg/L=ppb, "<" denotes "less than", TNTC = Too Numerous To Count. This report of analysis may not be modified in any way, or reproduced except in full, without written approval from CATLAB, LLC. Results as reported relate only to samples as submitted on the chain of custody. All sample results are based on samples as they are received. Not all potential/existing hazards were tested. Unless otherwise noted, analyses were performed without significant modifications and QC met the quality standards outlined in the methods reported. Measurement uncertainty is available upon request. **The Reporting Limit (RL)** is the lowest level of an analyte that can be accurately recovered from the matrix of interest. The **Regulatory Limits (or Action Levels)** for adult use mandatory testing samples are set by the Maine Office of Cannabis Policy (OCP). **Total THC** = D-9-THC + (THCA x 0.877). **Total CBD** = CBD + (CBDA x 0.877).



**CATLAB, LLC**  
19 Levesque Dr. #3  
Eliot, ME 03903  
207-200-9950  
ME OCP: MTF368

## Certificate of Analysis

<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06952	<b>Strain</b>	P Cham 12393
<b>METRC Sample ID</b>	1A40D0300000BB9000012393	<b>Serving Mass (g)/ Package</b>	/
<b>Date Received</b>	05/01/2023	<b>Collected Sample Weight</b>	16.8g
<b>Date/Time of Collection</b>	04/30/2023 07:00 AM	<b>Collected By</b>	Jaclyn Beatrice
		<b>Date Generated</b>	05/10/2023

### Filth and Foreign Materials

**Date Analyzed:** 05/09/23  
**Instrument:** Visual Inspection

**Prep Date:** 05/09/23  
**Method:** SOP-QA-0018

**Analyst:** JG/IG

Analyte	Result	Action Level	Pass/Fail
Sand, Soil, Cinders, Dirt, and Mold (%)	0	25	Pass
Embedded Foreign Material (%)	0	25	Pass
Insect Fragment	0	1	Pass
Hair	0	1	Pass
Mammalian Excreta	0	1	Pass

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<b>Client Name</b>	Highbrow Industries LLC Cultivation	<b>License Number</b>	GR173
<b>Address</b>	271 North Rd Detroit, ME 04929	<b>Phone</b>	315-771-2848
<b>Order ID</b>	1873	<b>Sample Type</b>	Dried Flower
<b>Sample ID</b>	06952	<b>Strain</b>	P Cham 12393
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		<b>Date Generated</b>	05/10/2023

### Water Activity

**Date Analyzed:** 05/05/23  
**Instrument:** Rotronic CAT-0020

**Prep Date:** 05/05/23  
**Method:** SOP-QA-0012

**Analyst:** JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.48	0.11	0.65	Pass

Deisy Peña-Romero Lab Director