



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

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06240	Strain	False Teeth #14050
METRC Sample ID	1A40D0300000BB9000014062	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	9.8g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

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	0.127
CBDA	0.508
CBD	< RL
CBG	0.801
CBN	< RL
CBGA	13.8
CBC	< RL
exoTHC	< RL
Δ^9 -THC	3.96
Δ^8 THC	< RL
THCA	229
Total Cannabinoids %	24.8
Total CBD mg/g	0.446
Total THC mg/g	205
Total CBD %	0.0446
Total THC %	20.5

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Summary of Results

Terpenes Profile	
Terpene	Result %
α-Pinene	0.16
Camphene	< RL
β-Pinene	0.042
β-myrcene	0.32
δ3-carene	< RL
α-Terpinene	< RL
D-Limonene	0.023
p-Cymene	< RL
Eucalyptol	< RL
Ocimene	0.059
γ-Terpinene	< RL
Terpinolene	< RL
Linalool	0.051
Isopulegol	< RL
Geraniol	< RL
β-Caryophyllene	0.15
α-Humulene	0.040
cis-Nerolidol	0.097
trans-Nerolidol	0.15
Guaiol	< RL
Caryophyllene Oxide	0.16
α-Bisabolol	0.14
Total Terpenes (%)	1.4

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Potency

Date Analyzed: 3/30/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 3/29/23
Method: SOP-QA-0016

Analyst: RW

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	0.0508	0.508	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0801	0.801	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	1.38	13.8	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
Δ^9 -THC	0.396	3.96	N/A	0.0101	0.101
Δ^8 THC	< RL	< RL	N/A	0.0101	0.101
THCA	22.9	229	N/A	0.0101	0.101

CRM failure for THC, >120% recovery.

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Terpenes

Date Analyzed: 3/30/23
Instrument: CAT-0114

Prep Date: 3/29/23
Method: SOP QA-0032

Analyst: RW

Terpenes	Result (% weight)	RL (% weight)
α-Pinene	0.16	0.0050
Camphene	< RL	0.0050
β-Pinene	0.042	0.0050
β-myrcene	0.32	0.0050
δ3-carene	< RL	0.0050
α-Terpinene	< RL	0.0050
D-Limonene	0.023	0.0050
p-Cymene	< RL	0.0050
Eucalyptol	< RL	0.0050
Ocimene	0.059	0.0050
γ-Terpinene	< RL	0.0050
Terpinolene	< RL	0.0050
Linalool	0.051	0.0050
Isopulegol	< RL	0.0050
Geraniol	< RL	0.025
β-Caryophyllene	0.15	0.0050
α-Humulene	0.040	0.0050
cis-Nerolidol	0.097	0.0054
trans-Nerolidol	0.15	0.0029
Guaiol	< RL	0.0050
Caryophyllene Oxide	0.16	0.0050
α-Bisabolol	0.14	0.0050

QC failures for some analytes of interest.

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Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
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	Etofenprox	< RL	78.1	400	Pass
Acephate	< RL	55.6	400	Pass	Etoxazole	< RL	61.2	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Fenoxycarb	< RL	89.9	200	Pass
Acetamiprid	< RL	31.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Aldicarb	< RL	31.2	400	Pass	Fipronil	< RL	112	400	Pass
Azoxystrobin	< RL	33.2	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Bifenazate	< RL	31.2	200	Pass	Fludioxonil	< RL	62.5	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Boscalid	< RL	42.9	400	Pass	Imazalil	< RL	87.3	200	Pass
Carbaryl	< RL	37.0	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Carbofuran	< RL	31.2	200	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Malathion	< RL	66.0	200	Pass
Chlorfenapyr	< RL	919	1000	Pass	Metalaxyl	< RL	56.4	200	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Methiocarb	< RL	31.2	200	Pass
Clofentezine	< RL	56.7	200	Pass	Methomyl	< RL	31.2	400	Pass
Cyfluthrin	< RL	798	1000	Pass	Methyl parathion	< RL	193	200	Pass
Cypermethrin	< RL	196	1000	Pass	MGK-264 ²	< RL	70.2	200	Pass
Daminozide	< RL	329	1000	Pass	Myclobutanil	< RL	37.3	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	Naled	< RL	42.2	500	Pass
Diazinon	< RL	55.3	200	Pass	Oxamyl	< RL	31.2	1000	Pass
Dimethoate	< RL	39.9	200	Pass	Paclobutrazol	< RL	52.5	400	Pass
Ethoprophos	< RL	33.9	200	Pass					

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		Date Generated	04/04/2023

Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Permethrin ³	< 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 ¹	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad ⁴	< 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:

- Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
- MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
- Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
- 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 for spiked matrix, CCV (high bias for methomyl), and LCS (methomyl, abamectin, spiromesefin, acephate, and acequinocyl).

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Order ID	1686	Sample Type	Dried Flower
Sample ID	06240	Strain	False Teeth #14050
METRC Sample ID	1A40D0300000BB9000014062	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	9.8g
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		Date Generated	04/04/2023

Heavy Metals

Date Analyzed: 3/30/23
Instrument: CAT-0093

Prep Date: 3/29/23
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: 03/28/23
Date Analyzed Bacteria: 03/23/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 03/28/23
Date Analyzed Ecoli/SLM: 03/29/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 03/28/23
Date Analyzed Yeast and Mold: 03/31/23
Analyst: kw

Contaminants	Result (CFU/g)	RL (CFU/g)	Action Level (CFU/g)	Pass/Fail
Total Aerobic	210	100	100,000	Pass
Total Yeast/Mold	730	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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Filth and Foreign Materials

Date Analyzed: 03/29/23
Instrument: Visual Inspection

Prep Date: 03/29/23
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: 03/28/23
Instrument: Rotronic CAT-0020

Prep Date: 03/28/23
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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Order ID	1686	Sample Type	Dried Flower
Sample ID	06242	Strain	Huckleberry kush #14052
METRC Sample ID	1A40D0300000BB9000014055	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	16.2g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

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	0.142
CBDA	0.491
CBD	< RL
CBG	0.620
CBN	< RL
CBGA	2.25
CBC	< RL
exoTHC	< RL
Δ^9 -THC	4.62
Δ^8 THC	< RL
THCA	196
Total Cannabinoids %	20.4
Total CBD mg/g	0.431
Total THC mg/g	177
Total CBD %	0.0431
Total THC %	17.7

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Summary of Results

Terpenes Profile	
Terpene	Result %
α-Pinene	0.040
Camphene	0.0086
β-Pinene	0.049
β-myrcene	0.047
δ3-carene	< RL
α-Terpinene	< RL
D-Limonene	0.18
p-Cymene	< RL
Eucalyptol	< RL
Ocimene	0.024
γ-Terpinene	< RL
Terpinolene	< RL
Linalool	0.099
Isopulegol	0.0052
Geraniol	< RL
β-Caryophyllene	0.27
α-Humulene	0.065
cis-Nerolidol	0.20
trans-Nerolidol	0.25
Guaiol	< RL
Caryophyllene Oxide	0.095
α-Bisabolol	0.17
Total Terpenes (%)	1.5

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METRC Sample ID	1A40D0300000BB9000014055	Serving Mass (g)/ Package	/
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Potency

Date Analyzed: 3/30/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 3/29/23
Method: SOP-QA-0016

Analyst: RW

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	0.0142	0.142	N/A	0.0101	0.101
CBDA	0.0491	0.491	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0620	0.620	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	0.225	2.25	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	0.462	4.62	N/A	0.0101	0.101
Δ8THC	< RL	< RL	N/A	0.0101	0.101
THCA	19.6	196	N/A	0.0101	0.101

CRM failure for THC, >120% recovery.

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CATLAB, LLC
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Eliot, ME 03903
207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06242	Strain	Huckleberry kush #14052
METRC Sample ID	1A40D0300000BB9000014055	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	16.2g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Terpenes

Date Analyzed: 3/30/23
Instrument: CAT-0114

Prep Date: 3/29/23
Method: SOP QA-0032

Analyst: RW

Terpenes	Result (% weight)	RL (% weight)
α -Pinene	0.040	0.0050
Camphene	0.0086	0.0050
β -Pinene	0.049	0.0050
β -myrcene	0.047	0.0050
δ 3-carene	< RL	0.0050
α -Terpinene	< RL	0.0050
D-Limonene	0.18	0.0050
p-Cymene	< RL	0.0050
Eucalyptol	< RL	0.0050
Ocimene	0.024	0.0050
γ -Terpinene	< RL	0.0050
Terpinolene	< RL	0.0050
Linalool	0.099	0.0050
Isopulegol	0.0052	0.0050
Geraniol	< RL	0.025
β -Caryophyllene	0.27	0.0050
α -Humulene	0.065	0.0050
cis-Nerolidol	0.20	0.0054
trans-Nerolidol	0.25	0.0029
Guaiol	< RL	0.0050
Caryophyllene Oxide	0.095	0.0050
α -Bisabolol	0.17	0.0050

QC failures for some analytes of interest.

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Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06242	Strain	Huckleberry kush #14052
METRC Sample ID	1A40D0300000BB9000014055	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	16.2g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
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	Etofenprox	< RL	78.1	400	Pass
Acephate	< RL	55.6	400	Pass	Etoxazole	< RL	61.2	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Fenoxycarb	< RL	89.9	200	Pass
Acetamiprid	< RL	31.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Aldicarb	< RL	31.2	400	Pass	Fipronil	< RL	112	400	Pass
Azoxystrobin	< RL	33.2	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Bifenazate	< RL	31.2	200	Pass	Fludioxonil	< RL	62.5	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Boscalid	< RL	42.9	400	Pass	Imazalil	< RL	87.3	200	Pass
Carbaryl	< RL	37.0	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Carbofuran	< RL	31.2	200	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Malathion	< RL	66.0	200	Pass
Chlorfenapyr	< RL	919	1000	Pass	Metalaxyl	< RL	56.4	200	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Methiocarb	< RL	31.2	200	Pass
Clofentezine	< RL	56.7	200	Pass	Methomyl	< RL	31.2	400	Pass
Cyfluthrin	< RL	798	1000	Pass	Methyl parathion	< RL	193	200	Pass
Cypermethrin	< RL	196	1000	Pass	MGK-264 ²	< RL	70.2	200	Pass
Daminozide	< RL	329	1000	Pass	Myclobutanil	< RL	37.3	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	Naled	< RL	42.2	500	Pass
Diazinon	< RL	55.3	200	Pass	Oxamyl	< RL	31.2	1000	Pass
Dimethoate	< RL	39.9	200	Pass	Paclobutrazol	< RL	52.5	400	Pass
Ethoprophos	< RL	33.9	200	Pass					

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207-200-9950
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Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06242	Strain	Huckleberry kush #14052
METRC Sample ID	1A40D0300000BB9000014055	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	16.2g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Permethrin ³	< 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 ¹	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad ⁴	< 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:

- Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
- MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
- Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
- 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 for spiked matrix, CCV (high bias for methomyl), and LCS (methomyl, abamectin, spiromesefin, acephate, and acequinocyl).

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207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06242	Strain	Huckleberry kush #14052
METRC Sample ID	1A40D0300000BB9000014055	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	16.2g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Heavy Metals

Date Analyzed: 3/30/23
Instrument: CAT-0093

Prep Date: 3/29/23
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: 03/28/23
Date Analyzed Bacteria: 03/23/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 03/28/23
Date Analyzed Ecoli/SLM: 03/29/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 03/28/23
Date Analyzed Yeast and Mold: 03/31/23
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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ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06242	Strain	Huckleberry kush #14052
METRC Sample ID	1A40D0300000BB9000014055	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	16.2g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Filth and Foreign Materials

Date Analyzed: 03/29/23
Instrument: Visual Inspection

Prep Date: 03/29/23
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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207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06242	Strain	Huckleberry kush #14052
METRC Sample ID	1A40D0300000BB9000014055	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	16.2g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Water Activity

Date Analyzed: 03/28/23
Instrument: Rotronic CAT-0020

Prep Date: 03/28/23
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

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06244	Strain	Alien Rift #14875
METRC Sample ID	1A40D0300000BB9000014057	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	9.7g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

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	0.221
CBDA	0.705
CBD	< RL
CBG	0.941
CBN	< RL
CBGA	24.2
CBC	< RL
exoTHC	< RL
Δ^9 -THC	9.34
Δ^8 THC	< RL
THCA	226
Total Cannabinoids %	26.1
Total CBD mg/g	0.618
Total THC mg/g	208
Total CBD %	0.0618
Total THC %	20.8

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Summary of Results

Terpenes Profile	
Terpene	Result %
α-Pinene	0.077
Camphene	< RL
β-Pinene	0.042
β-myrcene	0.92
δ3-carene	< RL
α-Terpinene	< RL
D-Limonene	0.045
p-Cymene	< RL
Eucalyptol	< RL
Ocimene	0.12
γ-Terpinene	< RL
Terpinolene	< RL
Linalool	0.0058
Isopulegol	< RL
Geraniol	< RL
β-Caryophyllene	0.14
α-Humulene	0.039
cis-Nerolidol	0.21
trans-Nerolidol	0.31
Guaiol	< RL
Caryophyllene Oxide	0.088
α-Bisabolol	0.16
Total Terpenes (%)	2.2

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Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06244	Strain	Alien Rift #14875
METRC Sample ID	1A40D0300000BB9000014057	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	9.7g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Potency

Date Analyzed: 3/30/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 3/29/23
Method: SOP-QA-0016

Analyst: RW

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	0.0221	0.221	N/A	0.0101	0.101
CBDA	0.0705	0.705	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0941	0.941	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	2.42	24.2	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
Δ^9 -THC	0.934	9.34	N/A	0.0101	0.101
Δ^8 THC	< RL	< RL	N/A	0.0101	0.101
THCA	22.6	226	N/A	0.0101	0.101

CRM failure for THC, >120% recovery.

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Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06244	Strain	Alien Rift #14875
METRC Sample ID	1A40D0300000BB9000014057	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	9.7g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Terpenes

Date Analyzed: 3/30/23
Instrument: CAT-0114

Prep Date: 3/29/23
Method: SOP QA-0032

Analyst: RW

Terpenes	Result (% weight)	RL (% weight)
α-Pinene	0.077	0.0050
Camphene	< RL	0.0050
β-Pinene	0.042	0.0050
β-myrcene	0.92	0.0050
δ3-carene	< RL	0.0050
α-Terpinene	< RL	0.0050
D-Limonene	0.045	0.0050
p-Cymene	< RL	0.0050
Eucalyptol	< RL	0.0050
Ocimene	0.12	0.0050
γ-Terpinene	< RL	0.0050
Terpinolene	< RL	0.0050
Linalool	0.0058	0.0050
Isopulegol	0.0050	0.0050
Geraniol	< RL	0.025
β-Caryophyllene	0.14	0.0050
α-Humulene	0.039	0.0050
cis-Nerolidol	0.21	0.0054
trans-Nerolidol	0.31	0.0029
Guaiol	< RL	0.0050
Caryophyllene Oxide	0.088	0.0050
α-Bisabolol	0.16	0.0050

QC failures for some analytes of interest.

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Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06244	Strain	Alien Rift #14875
METRC Sample ID	1A40D0300000BB9000014057	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	9.7g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
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	Etofenprox	< RL	78.1	400	Pass
Acephate	< RL	55.6	400	Pass	Etoxazole	< RL	61.2	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Fenoxycarb	< RL	89.9	200	Pass
Acetamiprid	< RL	31.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Aldicarb	< RL	31.2	400	Pass	Fipronil	< RL	112	400	Pass
Azoxystrobin	< RL	33.2	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Bifenazate	< RL	31.2	200	Pass	Fludioxonil	< RL	62.5	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Boscalid	< RL	42.9	400	Pass	Imazalil	< RL	87.3	200	Pass
Carbaryl	< RL	37.0	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Carbofuran	< RL	31.2	200	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Malathion	< RL	66.0	200	Pass
Chlorfenapyr	< RL	919	1000	Pass	Metalaxyl	< RL	56.4	200	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Methiocarb	< RL	31.2	200	Pass
Clofentezine	< RL	56.7	200	Pass	Methomyl	< RL	31.2	400	Pass
Cyfluthrin	< RL	798	1000	Pass	Methyl parathion	< RL	193	200	Pass
Cypermethrin	< RL	196	1000	Pass	MGK-264 ²	< RL	70.2	200	Pass
Daminozide	< RL	329	1000	Pass	Myclobutanil	< RL	37.3	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	Naled	< RL	42.2	500	Pass
Diazinon	< RL	55.3	200	Pass	Oxamyl	< RL	31.2	1000	Pass
Dimethoate	< RL	39.9	200	Pass	Paclobutrazol	< RL	52.5	400	Pass
Ethoprophos	< RL	33.9	200	Pass					

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

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06244	Strain	Alien Rift #14875
METRC Sample ID	1A40D0300000BB9000014057	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	9.7g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Permethrin ³	< 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 ¹	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad ⁴	< 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 for spiked matrix, CCV (high bias for methomyl), and LCS (methomyl, abamectin, spiromesefin, acephate, and acequinocyl).

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207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06244	Strain	Alien Rift #14875
METRC Sample ID	1A40D0300000BB9000014057	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	9.7g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Heavy Metals

Date Analyzed: 3/30/23
Instrument: CAT-0093

Prep Date: 3/29/23
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: 03/28/23
Date Analyzed Bacteria: 03/23/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 03/28/23
Date Analyzed Ecoli/SLM: 03/29/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 03/28/23
Date Analyzed Yeast and Mold: 03/31/23
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	330	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

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06244	Strain	Alien Rift #14875
METRC Sample ID	1A40D0300000BB9000014057	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	9.7g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Filth and Foreign Materials

Date Analyzed: 03/29/23
Instrument: Visual Inspection

Prep Date: 03/29/23
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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207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06244	Strain	Alien Rift #14875
METRC Sample ID	1A40D0300000BB9000014057	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	9.7g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Water Activity

Date Analyzed: 03/28/23
Instrument: Rotronic CAT-0020

Prep Date: 03/28/23
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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ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06248	Strain	Brandywine #14053
METRC Sample ID	1A40D0300000BB9000014059	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

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	0.165
CBDA	0.726
CBD	< RL
CBG	0.954
CBN	< RL
CBGA	3.57
CBC	< RL
exoTHC	< RL
Δ^9 -THC	2.87
Δ^8 THC	< RL
THCA	236
Total Cannabinoids %	24.5
Total CBD mg/g	0.637
Total THC mg/g	210
Total CBD %	0.0637
Total THC %	21.0

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Summary of Results

Terpenes Profile	
Terpene	Result %
α-Pinene	0.042
Camphene	0.010
β-Pinene	0.059
β-myrcene	0.26
δ3-carene	< RL
α-Terpinene	< RL
D-Limonene	0.27
p-Cymene	< RL
Eucalyptol	< RL
Ocimene	0.035
γ-Terpinene	< RL
Terpinolene	< RL
Linalool	0.095
Isopulegol	0.0070
Geraniol	< RL
β-Caryophyllene	0.36
α-Humulene	0.079
cis-Nerolidol	0.18
trans-Nerolidol	< RL
Guaiol	< RL
Caryophyllene Oxide	0.075
α-Bisabolol	0.16
Total Terpenes (%)	1.6

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207-200-9950
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Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06248	Strain	Brandywine #14053
METRC Sample ID	1A40D0300000BB9000014059	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Potency

Date Analyzed: 3/30/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 3/29/23
Method: SOP-QA-0016

Analyst: RW

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	0.0165	0.165	N/A	0.0101	0.101
CBDA	0.0726	0.726	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0954	0.954	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	0.357	3.57	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
Δ^9 -THC	0.287	2.87	N/A	0.0101	0.101
Δ^8 THC	< RL	< RL	N/A	0.0101	0.101
THCA	23.6	236	N/A	0.0101	0.101

CRM failure for THC, >120% recovery.

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207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06248	Strain	Brandywine #14053
METRC Sample ID	1A40D0300000BB9000014059	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Terpenes

Date Analyzed: 3/30/23
Instrument: CAT-0114

Prep Date: 3/29/23
Method: SOP QA-0032

Analyst: RW

Terpenes	Result (% weight)	RL (% weight)
α -Pinene	0.042	0.0050
Camphene	0.010	0.0050
β -Pinene	0.059	0.0050
β -myrcene	0.26	0.0050
δ^3 -carene	< RL	0.0050
α -Terpinene	< RL	0.0050
D-Limonene	0.27	0.0050
p-Cymene	< RL	0.0050
Eucalyptol	< RL	0.0050
Ocimene	0.035	0.0050
γ -Terpinene	< RL	0.0050
Terpinolene	< RL	0.0050
Linalool	0.095	0.0050
Isopulegol	0.0070	0.0050
Geraniol	< RL	0.025
β -Caryophyllene	0.36	0.0050
α -Humulene	0.079	0.0050
cis-Nerolidol	0.18	0.0054
trans-Nerolidol	< RL	0.0029
Guaiol	< RL	0.0050
Caryophyllene Oxide	0.075	0.0050
α -Bisabolol	0.16	0.0050

QC failures for some analytes of interest.

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207-200-9950
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Certificate of Analysis

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Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06248	Strain	Brandywine #14053
METRC Sample ID	1A40D0300000BB9000014059	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
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	Etofenprox	< RL	78.1	400	Pass
Acephate	< RL	55.6	400	Pass	Etoxazole	< RL	61.2	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Fenoxycarb	< RL	89.9	200	Pass
Acetamiprid	< RL	31.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Aldicarb	< RL	31.2	400	Pass	Fipronil	< RL	112	400	Pass
Azoxystrobin	< RL	33.2	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Bifenazate	< RL	31.2	200	Pass	Fludioxonil	< RL	62.5	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Boscalid	< RL	42.9	400	Pass	Imazalil	< RL	87.3	200	Pass
Carbaryl	< RL	37.0	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Carbofuran	< RL	31.2	200	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Malathion	< RL	66.0	200	Pass
Chlorfenapyr	< RL	919	1000	Pass	Metalaxyl	< RL	56.4	200	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Methiocarb	< RL	31.2	200	Pass
Clofentezine	< RL	56.7	200	Pass	Methomyl	< RL	31.2	400	Pass
Cyfluthrin	< RL	798	1000	Pass	Methyl parathion	< RL	193	200	Pass
Cypermethrin	< RL	196	1000	Pass	MGK-264 ²	< RL	70.2	200	Pass
Daminozide	< RL	329	1000	Pass	Myclobutanil	< RL	37.3	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	Naled	< RL	42.2	500	Pass
Diazinon	< RL	55.3	200	Pass	Oxamyl	< RL	31.2	1000	Pass
Dimethoate	< RL	39.9	200	Pass	Paclobutrazol	< RL	52.5	400	Pass
Ethoprophos	< RL	33.9	200	Pass					

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Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06248	Strain	Brandywine #14053
METRC Sample ID	1A40D0300000BB9000014059	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Permethrin ³	< 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 ¹	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad ⁴	< 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:

- Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
- MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
- Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
- 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 for spiked matrix, CCV (high bias for methomyl), and LCS (methomyl, abamectin, spiromesefin, acephate, and acequinocyl).

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

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06248	Strain	Brandywine #14053
METRC Sample ID	1A40D0300000BB9000014059	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Heavy Metals

Date Analyzed: 3/30/23
Instrument: CAT-0093

Prep Date: 3/29/23
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: 03/28/23
Date Analyzed Bacteria: 03/23/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 03/28/23
Date Analyzed Ecoli/SLM: 03/29/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 03/28/23
Date Analyzed Yeast and Mold: 03/31/23
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

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06248	Strain	Brandywine #14053
METRC Sample ID	1A40D0300000BB9000014059	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Filth and Foreign Materials

Date Analyzed: 03/29/23
Instrument: Visual Inspection

Prep Date: 03/29/23
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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207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06248	Strain	Brandywine #14053
METRC Sample ID	1A40D0300000BB9000014059	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Water Activity

Date Analyzed: 03/28/23
Instrument: Rotronic CAT-0020

Prep Date: 03/28/23
Method: SOP-QA-0012

Analyst: JG/IG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.42	0.11	0.65	Pass

Deisy Peña-Romero Lab Director



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Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06249	Strain	Key Lime Pie #14048
METRC Sample ID	1A40D0300000BB9000014060	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

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	0.202
CBDA	0.674
CBD	< RL
CBG	0.715
CBN	< RL
CBGA	3.74
CBC	< RL
exoTHC	< RL
Δ^9 -THC	3.17
Δ^8 THC	< RL
THCA	269
Total Cannabinoids %	27.7
Total CBD mg/g	0.591
Total THC mg/g	239
Total CBD %	0.0591
Total THC %	23.9

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Summary of Results

Terpenes Profile	
Terpene	Result %
α-Pinene	0.030
Camphene	0.0087
β-Pinene	0.048
β-myrcene	0.26
δ3-carene	< RL
α-Terpinene	< RL
D-Limonene	0.34
p-Cymene	< RL
Eucalyptol	< RL
Ocimene	< RL
γ-Terpinene	< RL
Terpinolene	< RL
Linalool	0.25
Isopulegol	0.0055
Geraniol	< RL
β-Caryophyllene	0.19
α-Humulene	0.051
cis-Nerolidol	0.18
trans-Nerolidol	0.21
Guaïol	< RL
Caryophyllene Oxide	0.072
α-Bisabolol	0.17
Total Terpenes (%)	1.8

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207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06249	Strain	Key Lime Pie #14048
METRC Sample ID	1A40D0300000BB9000014060	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Potency

Date Analyzed: 3/30/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 3/29/23
Method: SOP-QA-0016

Analyst: RW

Potency	Result %	Result (mg/g)	Result (mg/package)	RL (%)	RL (mg/g)
CBDV	< RL	< RL	N/A	0.0101	0.101
THCV	0.0202	0.202	N/A	0.0101	0.101
CBDA	0.0674	0.674	N/A	0.0101	0.101
CBD	< RL	< RL	N/A	0.0101	0.101
CBG	0.0715	0.715	N/A	0.0101	0.101
CBN	< RL	< RL	N/A	0.0101	0.101
CBGA	0.374	3.74	N/A	0.0101	0.101
CBC	< RL	< RL	N/A	0.0101	0.101
exoTHC	< RL	< RL	N/A	0.0101	0.101
Δ^9 -THC	0.317	3.17	N/A	0.0101	0.101
Δ^8 THC	< RL	< RL	N/A	0.0101	0.101
THCA	26.9	269	N/A	0.0101	0.101

CRM failure for THC, >120% recovery.

DISCLAIMER: mg/L=ppm, μ g/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).



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207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06249	Strain	Key Lime Pie #14048
METRC Sample ID	1A40D0300000BB9000014060	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Terpenes

Date Analyzed: 3/30/23
Instrument: CAT-0114

Prep Date: 3/29/23
Method: SOP QA-0032

Analyst: RW

Terpenes	Result (% weight)	RL (% weight)
α -Pinene	0.030	0.0050
Camphene	0.0087	0.0050
β -Pinene	0.048	0.0050
β -myrcene	0.26	0.0050
δ 3-carene	< RL	0.0050
α -Terpinene	< RL	0.0050
D-Limonene	0.34	0.0050
p-Cymene	< RL	0.0050
Eucalyptol	< RL	0.0050
Ocimene	< RL	0.0050
γ -Terpinene	< RL	0.0050
Terpinolene	< RL	0.0050
Linalool	0.25	0.0050
Isopulegol	0.0055	0.0050
Geraniol	< RL	0.025
β -Caryophyllene	0.19	0.0050
α -Humulene	0.051	0.0050
cis-Nerolidol	0.18	0.0054
trans-Nerolidol	0.21	0.0029
Guaiol	< RL	0.0050
Caryophyllene Oxide	0.072	0.0050
α -Bisabolol	0.17	0.0050

QC failures for some analytes of interest.

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207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06249	Strain	Key Lime Pie #14048
METRC Sample ID	1A40D0300000BB9000014060	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
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	Etofenprox	< RL	78.1	400	Pass
Acephate	< RL	55.6	400	Pass	Etoxazole	< RL	61.2	200	Pass
Acequinocyl	< RL	1150	2000	Pass	Fenoxycarb	< RL	89.9	200	Pass
Acetamiprid	< RL	31.2	200	Pass	Fenpyroximate	< RL	83.1	400	Pass
Aldicarb	< RL	31.2	400	Pass	Fipronil	< RL	112	400	Pass
Azoxystrobin	< RL	33.2	200	Pass	Flonicamid	< RL	31.2	1000	Pass
Bifenazate	< RL	31.2	200	Pass	Fludioxonil	< RL	62.5	400	Pass
Bifenthrin	< RL	96.5	200	Pass	Hexythiazox	< RL	54.3	1000	Pass
Boscalid	< RL	42.9	400	Pass	Imazalil	< RL	87.3	200	Pass
Carbaryl	< RL	37.0	200	Pass	Imidacloprid	< RL	39.8	400	Pass
Carbofuran	< RL	31.2	200	Pass	Kresoxim-methyl	< RL	53.6	400	Pass
Chlorantraniliprole	< RL	92.2	200	Pass	Malathion	< RL	66.0	200	Pass
Chlorfenapyr	< RL	919	1000	Pass	Metalaxyl	< RL	56.4	200	Pass
Chlorpyrifos	< RL	74.5	200	Pass	Methiocarb	< RL	31.2	200	Pass
Clofentezine	< RL	56.7	200	Pass	Methomyl	< RL	31.2	400	Pass
Cyfluthrin	< RL	798	1000	Pass	Methyl parathion	< RL	193	200	Pass
Cypermethrin	< RL	196	1000	Pass	MGK-264 ²	< RL	70.2	200	Pass
Daminozide	< RL	329	1000	Pass	Myclobutanil	< RL	37.3	200	Pass
DDVP (Dichlorvos)	< RL	31.2	1000	Pass	Naled	< RL	42.2	500	Pass
Diazinon	< RL	55.3	200	Pass	Oxamyl	< RL	31.2	1000	Pass
Dimethoate	< RL	39.9	200	Pass	Paclobutrazol	< RL	52.5	400	Pass
Ethoprophos	< RL	33.9	200	Pass					

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207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06249	Strain	Key Lime Pie #14048
METRC Sample ID	1A40D0300000BB9000014060	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Pesticides

Date Analyzed: 3/31/23
Instrument: CAT-0162

Prep Date: 3/30/23
Method: SOP QA-0040

Analyst: LCH

Analyte	Finding (PPB)	LOQ (PPB)	Limit (PPB)	Pass/Fail
Permethrin ³	< 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 ¹	< RL	248	1000	Pass
Pyridaben	< RL	59.8	200	Pass
Spinosad ⁴	< 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:

- Pyrethrin is measured as cumulative residues of Pyrethrin, Cinerin, and Jasmolin (CAS # 8003-34-7).
- MGK-264 is measured as cumulative residue of MGK-264 A and MGK-264 B (CAS # 113-48-4).
- Permethrin is measured as cumulative residue of cis- and trans- permethrin isomers. (CAS # 54774-45-7 and 51877-74-8, respectively).
- 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 for spiked matrix, CCV (high bias for methomyl), and LCS (methomyl, abamectin, spiromesefin, acephate, and acequinocyl).

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207-200-9950
ME OCP: MTF368

Certificate of Analysis

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06249	Strain	Key Lime Pie #14048
METRC Sample ID	1A40D0300000BB9000014060	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Heavy Metals

Date Analyzed: 3/30/23
Instrument: CAT-0093

Prep Date: 3/29/23
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: 03/28/23
Date Analyzed Bacteria: 03/23/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 03/28/23
Date Analyzed Ecoli/SLM: 03/29/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 03/28/23
Date Analyzed Yeast and Mold: 03/31/23
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	4000	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

Client Name	Highbrow Industries LLC Cultivation	License Number	GR173
Address	271 North Rd Detroit, ME 04929	Phone	315-771-2848
Order ID	1686	Sample Type	Dried Flower
Sample ID	06249	Strain	Key Lime Pie #14048
METRC Sample ID	1A40D0300000BB9000014060	Serving Mass (g)/ Package	/
Date Received	03/27/2023	Collected Sample Weight	10g
Date/Time of Collection	03/26/2023 07:00 AM	Collected By	Alex Imhoff
		Date Generated	04/04/2023

Filth and Foreign Materials

Date Analyzed: 03/29/23
Instrument: Visual Inspection

Prep Date: 03/29/23
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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		Date Generated	04/04/2023

Water Activity

Date Analyzed: 03/28/23
Instrument: Rotronic CAT-0020

Prep Date: 03/28/23
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