



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

Certificate of Analysis

Client Name	Highbrow Industries LLC - Manufacturing	License Number	AM544
Address	55 Topsham Fair Mall Rd. Topsham, ME 04086	Phone	(207) 356-9377
Order ID	1984	Sample Type	Semi-solid edibles
Sample ID	07298	Strain	MB Gummy S: 15571
METRC Sample ID	1A40D0300001451000015743	Serving Mass (g)/ Package	5.7223 / 10
Date Received	05/26/2023	Collected Sample Weight	13 ea
Date/Time of Collection	05/26/2023 10:00 AM	Collected By	High Brow
		Date Generated	06/05/2023

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

Homogeneity Profile	
%RSD THC	1.83
%RSD CBD	N/A
Pass/Fail	Pass
Pass/Fail Limit is 15%	

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	< RL
CBDA	< RL
CBD	< RL
CBG	0.0271
CBN	< RL
CBGA	< RL
CBC	< RL
exoTHC	< RL
Δ9-THC	1.75
Δ8THC	< RL
THCA	< RL
Total CBD mg/g	<RL
Total THC mg/g	1.75 Pass
Total CBD (mg/serving)	<RL
Total CBD (mg/package)	<RL
Total THC (mg/serving)	10.0
Total THC (mg/package)	100

Edibles Total THC Uncertainty: +/- 5.0% for 10mg Serving or 100mg Package

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Homogeneity

Date Analyzed: 05/31/23
Instrument: UPLC CAT-0002

Prep Date: 05/30/23
Method: SOP-QA-0014

Analyst: AC

Analyte	Finding (mg/g)
Total THC Replicate 1	1.75
Total THC Replicate 2	1.69
Total THC Replicate 3	1.70
%RSD THC	1.83

Potency

Date Analyzed: 05/31/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 05/30/23
Method: SOP-QA-0016

Analyst: AC

Potency	Result %	Result (mg/g)	Result (mg/serving)	Result (mg/package)	RL (mg/g)
CBDV	< RL	< RL	N/A	N/A	0.0244
THCV	< RL	< RL	N/A	N/A	0.0244
CBDA	< RL	< RL	N/A	N/A	0.0244
CBD	< RL	< RL	N/A	N/A	0.0244
CBG	0.00271	0.0271	0.155	1.55	0.0244
CBN	< RL	< RL	< RL	< RL	0.0244
CBGA	< RL	< RL	N/A	N/A	0.0244
CBC	< RL	< RL	< RL	< RL	0.0244
exoTHC	< RL	< RL	N/A	N/A	0.0244
Δ9-THC	0.175	1.75	10.0	100	0.0244
Δ8THC	< RL	< RL	< RL	< RL	0.0244
THCA	< RL	< RL	N/A	N/A	0.0244

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Heavy Metals

Date Analyzed: 6/2/23
Instrument: CAT-0093

Prep Date: 6/2/23
Method: SOP-QA-0030

Analyst: ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	44.0	1500	Pass
Cadmium	< RL	91.9	500	Pass
Lead	< RL	32.3	500	Pass
Mercury	< RL	5.89	3000	Pass

Microbial Analysis

Prep Date Bacteria: 5/30/23
Date Analyzed Bacteria: 5/31/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 5/30/23
Date Analyzed Ecoli/SLM: 6/2/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 5/30/23
Date Analyzed Yeast and Mold: 6/2/23
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

The incubator for yeast and mold was outside of its temperature criteria for a portion of the incubation period

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Filth and Foreign Materials

Date Analyzed: 06/01/23
Instrument: Visual Inspection

Prep Date: 06/01/23
Method: SOP-QA-0018

Analyst: JG

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: 6/1/23
Instrument: Rotronic CAT-0020

Prep Date: 6/1/23
Method: SOP-QA-0012

Analyst: ITG/JG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.78	0.11	0.85	Pass

Deisy Peña-Romero Lab Director



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Order ID	1984	Sample Type	Semi-solid edibles
Sample ID	07299	Strain	BL Gummy S: 15692
METRC Sample ID	1A40D0300001451000015744	Serving Mass (g)/ Package	6.04475 / 10
Date Received	05/26/2023	Collected Sample Weight	13 ea
Date/Time of Collection	05/26/2023 10:00 AM	Collected By	High Brow
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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

Homogeneity Profile	
%RSD THC	1.14
%RSD CBD	N/A
Pass/Fail	Pass
Pass/Fail Limit is 15%	

Potency Profile	
Cannabinoid	Result mg/g
CBDV	< RL
THCV	< RL
CBDA	< RL
CBD	< RL
CBG	0.0602
CBN	< RL
CBGA	< RL
CBC	0.0281
exoTHC	< RL
Δ 9-THC	1.50
Δ 8THC	< RL
THCA	< RL
Total CBD mg/g	<RL
Total THC mg/g	1.50 Pass
Total CBD (mg/serving)	<RL
Total CBD (mg/package)	<RL
Total THC (mg/serving)	9.07
Total THC (mg/package)	90.7

Edibles Total THC Uncertainty: +/- 5.0% for 10mg Serving or 100mg Package

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Homogeneity

Date Analyzed: 05/31/23
Instrument: UPLC CAT-0002

Prep Date: 05/30/23
Method: SOP-QA-0014

Analyst: AC

Analyte	Finding (mg/g)
Total THC Replicate 1	1.50
Total THC Replicate 2	1.51
Total THC Replicate 3	1.54
%RSD THC	1.14

Potency

Date Analyzed: 05/31/23
Instrument: UPLC CAT-0002/CAT-0151

Prep Date: 05/30/23
Method: SOP-QA-0016

Analyst: AC

Potency	Result %	Result (mg/g)	Result (mg/serving)	Result (mg/package)	RL (mg/g)
CBDV	< RL	< RL	N/A	N/A	0.0244
THCV	< RL	< RL	N/A	N/A	0.0244
CBDA	< RL	< RL	N/A	N/A	0.0244
CBD	< RL	< RL	N/A	N/A	0.0244
CBG	0.00602	0.0602	0.364	3.64	0.0244
CBN	< RL	< RL	N/A	N/A	0.0244
CBGA	< RL	< RL	N/A	N/A	0.0244
CBC	0.00281	0.0281	0.170	1.70	0.0244
exoTHC	< RL	< RL	N/A	N/A	0.0244
Δ9-THC	0.150	1.50	9.07	90.7	0.0244
Δ8THC	< RL	< RL	N/A	N/A	0.0244
THCA	< RL	< RL	N/A	N/A	0.0244

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Heavy Metals

Date Analyzed: 6/2/23
Instrument: CAT-0093

Prep Date: 6/2/23
Method: SOP-QA-0030

Analyst: ITG

Metals	Result (ug/kg)	RL (ug/kg)	Action Level (ug/kg)	Pass/Fail
Arsenic	< RL	44.0	1500	Pass
Cadmium	< RL	91.9	500	Pass
Lead	< RL	32.3	500	Pass
Mercury	< RL	5.89	3000	Pass

Microbial Analysis

Prep Date Bacteria: 5/30/23
Date Analyzed Bacteria: 5/31/23
Instrument: CAT-0140, CAT-0152

Prep Date Ecoli/SLM: 5/30/23
Date Analyzed Ecoli/SLM: 6/2/23
Method: SOP-QA-0028, SOP-QA-0038

Prep Date Yeast and Mold: 5/30/23
Date Analyzed Yeast and Mold: 6/2/23
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

The incubator for yeast and mold was outside of its temperature criteria for a portion of the incubation period

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Filth and Foreign Materials

Date Analyzed: 06/01/23
Instrument: Visual Inspection

Prep Date: 06/01/23
Method: SOP-QA-0018

Analyst: JG

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: 6/1/23
Instrument: Rotronic CAT-0020

Prep Date: 6/1/23
Method: SOP-QA-0012

Analyst: ITG/JG

Analyte	Finding (Aw)	RL (Aw)	Action Level (Aw)	Pass/Fail
Water Activity	0.83	0.11	0.85	Pass

Deisy Peña-Romero Lab Director