



Certificate of Analysis

Compliance Test

Client Information:

Mary Jones
1522 Western Ave, STE
24150
Seattle, Washington
98101

Manufacturing Facility:

Ellison Brewery
4903 Dawn Ave
East Lansing, MI 48823
Production Date: 2025-12-02

Batch Data:

Batch # 25325-MJCOZ-10-02
Batch Date: 2025-12-02
Extracted From: HEMP

Order Details:

Test Reg State: National

Food Permits:

State: MN - #MI-S-20044

Order

MAR251204-040001
Order Date: 2025-12-04
Sample # AAHG356

Sampling Date:

2025-12-05
Lab Batch Date: 2025-12-05
Completion Date: 2025-12-17

Volume: 355 ml

Net Weight per Serving:

177.5 ml
Servings Per Package:
2



Product Image



Potency
Passed



Staphylococcus Aureus
Passed



HHCP
Passed



Terpenes
Passed



Pesticides
Passed



Heavy Metals
Passed



Microbiology Petrifilm
Passed



Mycotoxins
Passed



Residual Solvents
Passed



Moisture
Passed



Pathogenic Microbiology
Passed



Listeria Monocytogenes
Passed



Microbiology
Tested



Microbiology Petrifilm
Passed



Filtration and Foreign
Passed

Potency Summary

Total HHC	<LOQ	Delta 9 THC	0.00284%
per Serving	0.00 mg	per Serving	5.04 mg
per Package	0.00 mg	per Package	10.1 mg
Total Active CBD	<LOQ	Total CBG	0.0000800%
per Serving	0.00 mg	per Serving	0.142 mg
per Package	0.00 mg	per Package	0.284 mg
Total CBN	<LOQ	Total Cannabinoids	0.00292%
per Serving	0.00 mg	per Serving	5.18 mg
per Package	0.00 mg	per Package	10.4 mg
Total Active THC (LA)	0.00284%	Total Active THC	0.00284%
per Serving	5.04 mg	per Serving	5.04 mg
per Package	10.1 mg	per Package	10.1 mg
Total DELTA-9-THC	0.00284%		
per Serving	5.04 mg		
per Package	10.1 mg		



Terpenes Summary

Analyte	Result (mg/g)	(%)
---------	---------------	-----

Total Terpenes: 0.000%

Detailed Terpenes Analysis is on the following page

* Summary Results determined from two distinct Potency Tests - National Panel Potency + Potency (GA) LCUV

Aixia Sun

Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Definitions and Abbreviations used in this report: Total CBD = CBD + (CBD-A * 0.877), Total CBDV = CBDV + (CBDVA * 0.867), Total THC = (THCA-A * 0.877) + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + CBN, Total CBC = CBC + (CBCA * 0.877), Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor(ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram(cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram(ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram Pesticides indicators: 1=FL LOD/LOQ/AL; 2= CO LOD/LOQ/AL; 3= CO LOD/ACS CO LOQ

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results. This facility meets the human health and food safety sanitation requirements of the Kentucky Cabinet for Health and Family Services as documented by KYCHFS.



Certificate of Analysis

Compliance Test

Client Information:

Mary Jones
1522 Western Ave, STE
24150
Seattle, Washington
98101

Manufacturing Facility:

Ellison Brewery
4903 Dawn Ave
East Lansing, MI 48823
Production Date: 2025-12-02

Batch Data:

Batch # 25325-MJCOZ-10-02
Batch Date: 2025-12-02
Extracted From: HEMP

Order Details:

Test Reg State: National

Food Permits:

State: MN - #MI-S-20044

Order #

MAR251204-040001
Order Date: 2025-12-04
Sample # AAHG356

Sampling Date: 2025-12-05

Lab Batch Date: 2025-12-05
Completion Date: 2025-12-17

Volume: 355 ml

Net Weight per Serving:

177.5 ml
Servings Per Package:
2



National Panel Potency + Potency (GA) LCUV

Specimen Weight: 20000.000 mg

Passed

SOP13.030 (LCMS)

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (µg/ml)	(%)	Per Serving (mg)	Per Package (mg)
Delta-9 THC	40.000	0.000013	0.015	28.4	0.00284	5.04	10.1
CBG	8.000	0.000248	0.015	0.800	0.0000800	0.142	0.284
Abnormal CBD	8.000	0.015	0.002	<LOQ	<LOQ	0.00	0.00
CBC	8.000	0.0000276	0.075	<LOQ	<LOQ	0.00	0.00
CBGA	8.000	0.000107	0.002	<LOQ	<LOQ	0.00	0.00
CBD	8.000	0.0000540	0.015	<LOQ	<LOQ	0.00	0.00
CBDA	8.000	0.00001	0.015	<LOQ	<LOQ	0.00	0.00
CBDV	8.000	.0000614	0.002	<LOQ	<LOQ	0.00	0.00
CBDVA	8.000	0.000014	0.002	<LOQ	<LOQ	0.00	0.00
CBE	8.000	.0000483	0.002	<LOQ	<LOQ	0.00	0.00
CBGA	8.000	0.00008	0.015	<LOQ	<LOQ	0.00	0.00
CBL	8.000	.0000919	0.002	<LOQ	<LOQ	0.00	0.00
CBLA	8.000	0.015	0.001	<LOQ	<LOQ	0.00	0.00
CBN	8.000	0.000014	0.015	<LOQ	<LOQ	0.00	0.00
CBNA	8.000	0.000014	0.002	<LOQ	<LOQ	0.00	0.00
CBT	8.000	0.000325	0.004	<LOQ	<LOQ	0.00	0.00
Delta-10 THC	8.000	0.0015	0.002	<LOQ	<LOQ	0.00	0.00
Delta-8 THC	8.000	0.000026	0.015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC-O Acetate	8.000	0.000027	0.002	<LOQ	<LOQ	0.00	0.00
Delta-8 THCV	8.000	0.0015	0.002	<LOQ	<LOQ	0.00	0.00
Delta-9 THC-O Acetate	8.000	0.000077	0.03	<LOQ	<LOQ	0.00	0.00
Delta6a10a-THC	1.000	0.0015	0.001	<LOQ	<LOQ	0.00	0.00
Delta8-THCA-A	8.000	0.015	0.001	<LOQ	<LOQ	0.00	0.00
Delta8-THCP	8.000	0.0015	0.002	<LOQ	<LOQ	0.00	0.00
Delta9-THCP	8.000	0.0012	0.002	<LOQ	<LOQ	0.00	0.00
Exo-THC	8.000	0.00023	0.015	<LOQ	<LOQ	0.00	0.00
THCA-A	8.000	0.000032	0.015	<LOQ	<LOQ	0.00	0.00
THCB	8.000	0.00195	0.002	<LOQ	<LOQ	0.00	0.00
THCH	8.000	0.00195	0.002	<LOQ	<LOQ	0.00	0.00
THCV	8.000	.0000276	0.002	<LOQ	<LOQ	0.00	0.00
Delta-10 THC	8.000	0.000003	0.015	<LOQ	<LOQ	0.00	0.00
Total Active THC	8.000			28.4	0.00284	5.04	10.1
Total Active CBD	8.000			<LOQ	<LOQ	0.00	0.00

Aixia Sun

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results. This facility meets the human health and food safety sanitation requirements of the Kentucky Cabinet for Health and Family Services as documented by KYCHFS.



Certificate of Analysis

Compliance Test

Client Information:

Mary Jones
1522 Western Ave, STE
24150
Seattle, Washington
98101

Manufacturing Facility:

Ellison Brewery
4903 Dawn Ave
East Lansing, MI 48823
Production Date: 2025-12-02

Batch Data:

Batch # 25325-MJCOZ-10-02
Batch Date: 2025-12-02
Extracted From: HEMP

Order Details:

Test Reg State: National

Food Permits:

State: MN - #MI-S-20044

Order

MAR251204-040001
Order Date: 2025-12-04
Sample # AAHG356

Sampling Date: 2025-12-05

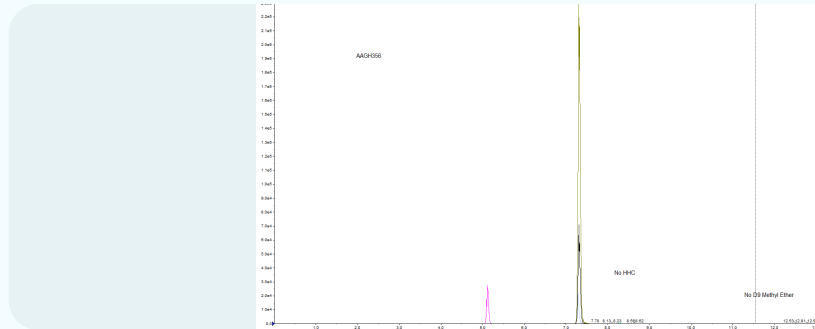
Lab Batch Date: 2025-12-05
Completion Date: 2025-12-17

Volume: 355 ml

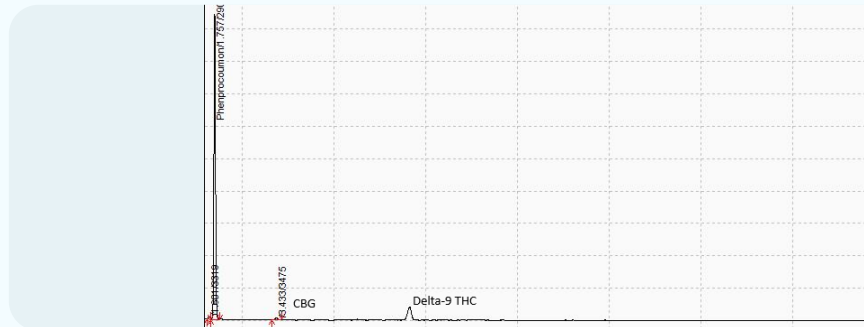
Net Weight per Serving:

177.5 ml
Servings Per Package:
2

HHCP



National Panel Potency



Aixia Sun

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "A" are not ISO/IEC 17025:2017 accredited test results. This facility meets the human health and food safety sanitation requirements of the Kentucky Cabinet for Health and Family Services as documented by KYCHFS.



Certificate of Analysis

Compliance Test

Client Information:

Mary Jones
1522 Western Ave, STE
24150
Seattle, Washington
98101

Manufacturing Facility:

Ellison Brewery
4903 Dawn Ave
East Lansing, MI 48823
Production Date: 2025-12-02

Batch Data:

Batch # 25325-MJCOZ-10-02
Batch Date: 2025-12-02
Extracted From: HEMP

Order Details:

Test Reg State: National

Food Permits:

State: MN - #MI-S-20044

Order

MAR251204-040001
Order Date: 2025-12-04
Sample # AAHG356

Sampling Date: 2025-12-05

Lab Batch Date: 2025-12-05
Completion Date: 2025-12-17

Volume: 355 ml

Net Weight per Serving:

177.5 ml
Servings Per Package:
2



National Panel Listeria Monocytogenes

Specimen Weight: 992.100 mg

Passed

SOP13.032 (qPCR)

Dilution Factor: 1.000

Analyte

Listeria Monocytogenes

Result

Absence



National Panel Bile Tolerant Gram-Negative Bacteria

Specimen Weight: 996.900 mg

Passed

SOP13.003 (Petrifilm)

Dilution Factor: 1.000

Analyte

Bile tolerant gram-negative bacteria

LOQ
(cfu/g)

100

Action Level
(cfu/g)

100000

Result
(cfu/g)

<100



National Panel Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1039.300 mg

Passed

SOP13.019 (Micro Array)

Dilution Factor: 1.000

Analyte

Aspergillus (Flavus, Fumigatus, Niger, Terreus)
Salmonella

Action Level
(cfu/g)

1

Result
(cfu/g)

Absence in 1g
Absence in 1g

Analyte

STEC E. Coli

Action Level
(cfu/g)

1

Result
(cfu/g)

Absence in 1g



Microbiology AC TYM BTGN plating - (GA)

Specimen Weight: 996.900 mg

Tested

SOP13.003 (Petrifilm)

Dilution Factor: 1.000

Analyte

Bile tolerant gram-negative bacteria
Total Aerobic Count

LOQ
(cfu/g)

100

Action Level
(cfu/g)

1000

Result
(cfu/g)

<100

Analyte

Total Yeast/Mold

LOQ
(cfu/g)

1000

Action Level
(cfu/g)

10000

Result
(cfu/g)

<1000

Aixia Sun

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results. This facility meets the human health and food safety sanitation requirements of the Kentucky Cabinet for Health and Family Services as documented by KYCHFS.



Certificate of Analysis

Compliance Test

Client Information:

Mary Jones
1522 Western Ave, STE
24150
Seattle, Washington
98101

Manufacturing Facility:

Ellison Brewery
4903 Dawn Ave
East Lansing, MI 48823
Production Date: 2025-12-02

Batch Data:

Batch # 25325-MJCOZ-10-02
Batch Date: 2025-12-02
Extracted From: HEMP

Order Details:

Test Reg State: National

Food Permits:

State: MN - #MI-S-20044

Order

MAR251204-040001
Order Date: 2025-12-04
Sample # AAHG356

Sampling Date: 2025-12-05

Lab Batch Date: 2025-12-05
Completion Date: 2025-12-17

Volume: 355 ml

Net Weight per Serving:

177.5 ml
Servings Per Package:
2



Filth and Foreign Material

Specimen Weight: N/A Dilution Factor: 1.000

Passed

SOP13.020 (Electronic Balance)			SOP13.020 (Electronic Balance)		
Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.00	Weight %	1	0.00
Feces	0.5	0.00			



National Panel Microbiology (Petrifilm)

Specimen Weight: 996.900 mg

Passed

SOP13.003 (Petrifilm)

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Aerobic Count	1000	100000	<1000	Total Enterobacteriaceae	100	1000	<100
Total Coliform	100	1000	<100	Total Yeast/Mold	100	10000	<100

Aixia Sun

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results. This facility meets the human health and food safety sanitation requirements of the Kentucky Cabinet for Health and Family Services as documented by KYCHFS.



Certificate of Analysis

Compliance Test

Client Information:

Mary Jones
1522 Western Ave, STE
24150
Seattle, Washington
98101

Manufacturing Facility:

Ellison Brewery
4903 Dawn Ave
East Lansing, MI 48823
Production Date: 2025-12-02

Batch Data:

Batch # 25325-MJCOZ-10-02
Batch Date: 2025-12-02
Extracted From: HEMP

Order Details:

Test Reg State: National

Food Permits:

State: MN - #MI-S-20044

Order

MAR251204-040001
Order Date: 2025-12-04
Sample # AAHG356

Sampling Date: 2025-12-05

Lab Batch Date: 2025-12-05
Completion Date: 2025-12-17

Volume: 355 ml

Net Weight per Serving:

177.5 ml
Servings Per Package:
2



National Panel Mycotoxins

Specimen Weight: 603.380 mg

Passed

SOP13.059 (LCMS)

Dilution Factor: 2.490

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.093	2.5	5	<LOQ	Aflatoxin G2	0.627	2.5	5	<LOQ
Aflatoxin B2	0.121	2.5	5	<LOQ	Aflatoxin Total		2.5	20	<LOQ
Aflatoxin G1	0.191	2.5	5	<LOQ	Ochratoxin A	0.638	3.5	20	<LOQ

HHCP HHCP

Specimen Weight: 20000.000 mg

Passed

SOP13.050 (LCMS)

Dilution Factor: 40.000

Analyte	LOD (%)	LOQ (%)	Result (µg/ml)	(%)	Analyte	LOD (%)	LOQ (%)	Result (µg/ml)	(%)
(9R)-HHC	0.000	0.075	<LOQ	<LOQ	9(S)-HHCP	0.000	0.075	<LOQ	<LOQ
(9S)-HHC	0.000	0.075	<LOQ	<LOQ	CBC	0.000	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	0.000	0.075	<LOQ	<LOQ	Delta-8 THC methyl ether	0.000	0.075	<LOQ	<LOQ
1(R)-H4-CBD	0.000	0.15	<LOQ	<LOQ	Delta-9 THC methyl ether	0.000	0.075	<LOQ	<LOQ
1(S)-H4-CBD	0.000	0.15	<LOQ	<LOQ	H2-CBD	0.000	0.075	<LOQ	<LOQ
9(R)-HHCP	0.000	0.075	<LOQ	<LOQ	Total HHC		0.075	<LOQ	<LOQ



National Panel Heavy Metals

Specimen Weight: 252.810 mg

Passed

SOP13.055 (ICP-MS)

Dilution Factor: 197.777

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Antimony (Sb)	0.032	1000	2000	<LOQ	Molybdenum (Mo)	0.009	500	1000	<LOQ
Arsenic (As)	0.014	100	200	<LOQ	Nickel (Ni)	0.352	250	500	<LOQ
Barium (Ba)	0.056	15000	30000	<LOQ	Osmium (Os)	0.003	50	100	<LOQ
Cadmium (Cd)	0.002	100	200	<LOQ	Palladium (Pd)	0.017	50	100	<LOQ
Chromium (Cr)	0.052	150	300	<LOQ	Platinum (Pt)	0.008	50	100	<LOQ
Cobalt (Co)	0.003	150	300	<LOQ	Rhodium (Rh)	0.003	50	100	<LOQ
Copper (Cu)	0.059	1500	3000	<LOQ	Ruthenium (Ru)	0.002	50	100	<LOQ
Gold (Au)	0.021	50	100	<LOQ	Selenium (Se)	4.631	6500	13000	<LOQ
Iridium (Id)	0.001	50	100	<LOQ	Silver (Ag)	0.005	350	700	<LOQ
Lead (Pb)	0.006	250	500	<LOQ	Thallium (Tl)	0.006	400	800	<LOQ
Lithium (Li)	0.301	1250	2500	<LOQ	Tin (Sn)	0.047	3000	6000	<LOQ
Mercury (Hg)	0.014	50	200	<LOQ	Vanadium (V)	0.038	50	100	<LOQ

Aixia Sun

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results. This facility meets the human health and food safety sanitation requirements of the Kentucky Cabinet for Health and Family Services as documented by KYCHFS.



Certificate of Analysis
Compliance Test

Client Information:

Mary Jones

1522 Western Ave, STE
24150
Seattle, Washington
98101

Manufacturing Facility:

Ellison Brewery
4903 Dawn Ave
East Lansing, MI 48823
Production Date: 2025-12-02

Batch Data:

Batch # 25325-MJCOZ-10-02
Batch Date: 2025-12-02
Extracted From: HEMP

Order Details:

Test Reg State: National

Food Permits:

State: MN - #MI-S-20044

Order

MAR251204-040001
Order Date: 2025-12-04
Sample # AAHG356

Sampling Date: 2025-12-05

Lab Batch Date: 2025-12-05
Completion Date: 2025-12-17

Volume: 355 ml

Net Weight per Serving:

177.5 ml
Servings Per Package:
2

National Panel Residual Solvents

Specimen Weight: 1000.000 mg

Dilution Factor: 1.000

				Passed			
				SOP13.039,SOP13.056 (GCMS- HS,GCMS- (HS))			
Analyte	LOQ (ppm)	Action Level (ppm)	Result	Analyte	LOQ (ppm)	Action Level (ppm)	Result
1,1-Dichloroethene	0.607	2	<LOQ	Ethyl formate	4	1000	<LOQ
1,2 Dimethoxyethane	0.025	5	<LOQ	Ethylbenzene	0.025	2170	<LOQ
1,2-Dichloroethane	0.025	2	<LOQ	Ethylene glycol	0.025	50	<LOQ
1,4 Dioxane	0.025	50	<LOQ	Ethylene Oxide	0.025	1	<LOQ
1-Butanol	0.025	5000	<LOQ	Formic acid	4	1000	<LOQ
1-Pentanol	0.025	5000	<LOQ	Heptane	0.025	500	<LOQ
1-Propanol	0.025	5000	<LOQ	Hexane	0.025	10	<LOQ
2-Butanol	0.025	800	<LOQ	Isobutyl acetate	4	1000	<LOQ
2-Butanone	0.025	5000	<LOQ	Isopropyl acetate	0.025	5000	<LOQ
2-Ethoxyethanol	0.025	50	<LOQ	Isopropyl alcohol	0.025	500	<LOQ
2-Methyl-1-propanol	4	1000	<LOQ	Methanol	0.025	250	<LOQ
2-methylbutane	0.025	5000	<LOQ	Methyl acetate	4	1000	<LOQ
3-methyl-1-butanol	4	1000	<LOQ	Methylene chloride	0.025	1	<LOQ
Acetic acid	4	1000	<LOQ	N,N-dimethylacetamide	0.025	50	<LOQ
Acetone	0.025	500	<LOQ	N,N-dimethylformamide	0.025	50	<LOQ
Acetonitrile	0.025	50	<LOQ	Pentane	0.025	500	<LOQ
Anisole	4	1000	<LOQ	Propane	0.025	500	<LOQ
Benzene	0.025	1	<LOQ	Propyl acetate	4	1000	<LOQ
Butanes	0.025	800	<LOQ	Pyridine	0.025	50	<LOQ
Butyl acetate	4	1000	<LOQ	tert-Butyl methyl ether	4	1000	<LOQ
Chlorobenzene	0.28	50	<LOQ	Tetrahydrofuran	0.025	50	<LOQ
Chloroform	0.025	1	<LOQ	Tetramethylene sulfone	0.025	160	<LOQ
Cumene	0.025	50	<LOQ	Toluene	0.025	1	<LOQ
Cyclohexane	0.025	3880	<LOQ	Total Xylenes	0.025	3	<LOQ
Dimethyl sulfoxide	0.025	5000	<LOQ	Trichloroethylene	0.025	1	<LOQ
Ethanol	0.025	2500	321	Triethylamine	4	1000	<LOQ
Ethyl Acetate	0.025	400	<LOQ	Xylenes(o)	0.025	1	<LOQ
Ethyl Ether	0.025	500	<LOQ	Xylenes(p/m)	0.025	1	<LOQ

Aixa Sun Lab Director/Principal Scientist

D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results. This facility meets the human health and food safety sanitation requirements of the Kentucky Cabinet for Health and Family Services as documented by KYCHFS.

Certificate of Analysis
Compliance Test

Client Information:

Mary Jones

1522 Western Ave, STE
24150
Seattle, Washington
98101

Manufacturing Facility:

Ellison Brewery
4903 Dawn Ave
East Lansing, MI 48823
Production Date: 2025-12-02

Batch Data:

Batch # 25325-MJCOZ-10-02
Batch Date: 2025-12-02
Extracted From: HEMP

Order Details:

Test Reg State: National

Food Permits:

State: MN - #MI-S-20044

Order

MAR251204-040001
Order Date: 2025-12-04
Sample # AAHG356

Sampling Date: 2025-12-05

Lab Batch Date: 2025-12-05
Completion Date: 2025-12-17

Volume: 355 ml

Net Weight per Serving:

177.5 ml
Servings Per Package:
2National Panel Pesticides
Specimen Weight: 603.380 mgPassed
SOP13.059 (LCMS)

Dilution Factor: 2.490

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin ¹	0.399	23.3	300	<LOQ	Hexythiazox ¹	0.113	24.8	2000	<LOQ	Cyantraniliprole ²	0.006004	20	10	<LOQ
Acephate ¹	0.141	24.8	3000	<LOQ	Imazalil ¹	0.258	24.8	100	<LOQ	Cyprodinil ²	0.001141	9.6	10	<LOQ
Acequinocyl ¹	2.178	24.8	2000	<LOQ	Imidacloprid ¹	0.402	24.58	3000	<LOQ	Dinotefuran ²	0.236975	100	50	<LOQ
Acetamiprid ¹	0.140	24.8	3000	<LOQ	Kresoxim Methyl ¹	0.182	24.8	1000	<LOQ	Endosulfan-alpha ²	0.046	9.6	2500	<LOQ
Aldicarb ¹	0.203	24.8	100	<LOQ	Malathion ¹	0.223	24.8	2000	<LOQ	Endosulfan-beta ²	0.063	9.6	2500	<LOQ
Azoxystrobin ¹	0.188	24.8	3000	<LOQ	Metaxalyl ¹	0.270	24.8	3000	<LOQ	Etridiazole ²	0.072	9.6	150	<LOQ
Bifenazate ¹	0.086	24.8	3000	<LOQ	Methiocarb ¹	0.118	24.8	100	<LOQ	Fensulfthion ²	0.000794	20	10	<LOQ
Bifenthrin ¹	0.100	24.8	500	<LOQ	Methomyl ¹	0.121	9.6	100	<LOQ	Fenthion ²	4.911315	20	10	<LOQ
Boscalid ¹	0.595	24.8	3000	<LOQ	methyl-Parathion ¹	3.065	9.6	100	<LOQ	Fluopyram ²	1.12E-9	20	10	<LOQ
Captan ¹	6.430	323	3000	<LOQ	Mevinphos ¹	0.093	24.8	100	<LOQ	Iprodione ²	0.105543	1000	500	<LOQ
Carbaryl ¹	0.122	24.8	500	<LOQ	Myclobutanil ¹	0.573	24.58	3000	<LOQ	Kinoprene ²	0.091	500	1250	<LOQ
Carbofuran ¹	0.178	24.8	100	<LOQ	Naled ¹	0.069	24.8	500	<LOQ	Novaluron ²	0.000205	50	25	<LOQ
Chlorantraniliprole ¹	0.052	24.8	3000	<LOQ	Oxamyl ¹	0.041	24.8	500	<LOQ	Pirimicarb ²	0.0000566	20	10	<LOQ
Chlordane ¹	1.410	24.8	100	<LOQ	Paclobutrazol ¹	0.000	20	100	<LOQ	Pyraclostrobin ²	5.31E-7	20	10	<LOQ
Chlorfenapyr ¹	1.500	24.8	100	<LOQ	Permethrin ¹	0.006	500	1000	<LOQ	Resmethrin ²	0.068013	100	50	<LOQ
Chlormequat Chloride ¹	0.205	24.8	3000	<LOQ	Phosmet ¹	0.127	24.8	200	<LOQ	Tebufenozide ²	0.018121	20	10	<LOQ
Chlorpyrifos ¹	0.109	24.8	100	<LOQ	Piperonylbutoxide ¹	0.149	24.8	3000	<LOQ	Teflubenzuron ²	0.01662	50	25	<LOQ
Clofentezine ¹	0.000	20	500	<LOQ	Prallethrin ¹	1.476	24.8	400	<LOQ	Tetrachlorvinphos ²	0.839125	20	10	<LOQ
Coumaphos ¹	0.206	24.8	100	<LOQ	Propiconazole ¹	0.294	24.8	1000	<LOQ	Atrazine ³	0.379918	25	9.6	<LOQ
Cyfluthrin ¹	0.980	24.8	1000	<LOQ	Propoxur ¹	0.100	24.8	100	<LOQ	Buprofezin ³	0.0000000166	20	9.6	<LOQ
Cypermethrin ¹	0.985	24.8	1000	<LOQ	Pyrethrins ¹	0.002	50	1000	<LOQ	Deltamethrin ³	0.492837	500	9.6	<LOQ
Daminozide ¹	1.655	24.8	100	<LOQ	Pyridaben ¹	0.140	24.8	3000	<LOQ	Diuron ³	0.006862	125	9.6	<LOQ
Diazinon ¹	0.212	24.8	200	<LOQ	Spinetoram ¹	0.024	20	3000	<LOQ	Dodemorph ³	6.47E-12	50	9.6	<LOQ
Dichlorvos ¹	1.130	24.8	100	<LOQ	Spinosad ¹	0.135	100	3000	<LOQ	Endosulfan sulfate ³	0.88376	50	2500	<LOQ
Dimethoate ¹	0.063	24.8	100	<LOQ	Spiromesifen ¹	0.120	24.8	3000	<LOQ	Fenvalerate ³	0.597752	100	9.6	<LOQ
Dimethomorph ¹	2.581	24.8	3000	<LOQ	Spirotetramat ¹	0.211	24.8	3000	<LOQ	Lambda Cyhalothrin ³	0.116859	250	9.6	<LOQ
Ethoprophos ¹	0.151	24.8	100	<LOQ	Spiroxamine ¹	0.119	24.8	100	<LOQ	Methoprene ³	1.148463	2000	9.6	<LOQ
Etofenprox ¹	0.172	24.8	100	<LOQ	Tebuconazole ¹	0.230	24.8	1000	<LOQ	MGK-264 ³	0.00052	50	7.4	<LOQ
Ettoxazole ¹	0.866	24.8	1500	<LOQ	Thiacloprid ¹	0.397	9.6	100	<LOQ	Pentachloronitrobenzen (Quintozene)	7.95	24.8	200	<LOQ
Fenhexamid ¹	0.588	24.8	3000	<LOQ	Thiamethoxam ¹	0.104	9.6	1000	<LOQ	Phenothrin ³	0.000000212	50	9.6	<LOQ
Fenoxycarb ¹	0.274	24.8	100	<LOQ	Trifloxystrobin ¹	0.088	9.6	3000	<LOQ	Pyriproxyfen ³	0.0000958	10	9.6	<LOQ
Fenpyroximate ¹	0.198	24.8	2000	<LOQ	Allethrin ²	0.472	200	100	<LOQ	Spirodiclofen ³	0.373769	250	9.6	<LOQ
Fipronil ¹	0.317	24.8	100	<LOQ	Azadirachtin ²	0.003	9.6	500	<LOQ	Tetramethrin ³	0.0000992	9.6	9.6	<LOQ
			2000	<LOQ	Benzovindiflupyr ²	0.013	20	10	<LOQ	Thiabendazole ³	0.001251	9.6	9.6	<LOQ
			3000	<LOQ	Clothianidin ²	0.000	50	25	<LOQ	Thiophanate-methyl ³	0.000223	9.6	9.6	<LOQ

Aixia Sun
Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results. This facility meets the human health and food safety sanitation requirements of the Kentucky Cabinet for Health and Family Services as documented by KYCHFS.

