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#### Beak & Skiff Research

4473 Cherry Valley Turnpike Lafayette, NY 13084 luke@beakandskiff.com (315) 506-4981 Lic. #: DOH-P-000032 Sample: 230607TRI003.002

Sample Description: Ayrloom Hemp (5mgTHC/5mgCBD) Lemonade Beverage Batch#: 060723MV\_GVL; Sample Received: 06/09/2023; Report Created: 06/13/2023; Sampled By: Client;

### H-BEV0047 (060624)

Ingestible, Beverage



Complete



4.770 mg/unit

**Total THC** 

4.752 mg/unit

**Total CBD** 

ND

**Total CBG** 

9.522 mg/unit

**Total Cannabinoids** 

Cannabinoids

Date Analyzed: 06/09/2023

Analyte	LOD	LOQ	Result	Result	
	mg/unit	mg/unit	mg/unit	%	
THCa	0.1173	0.3908	ND	ND	
Δ9-THC	0.1173	0.3908	4.770	0.001292	
Δ8-THC	0.1173	0.3908	ND	ND	
THCVa	0.1173	0.3908	ND	ND	
THCV	0.1173	0.3908	ND	ND	
CBDa	0.1173	0.3908	ND	ND	
CBD	0.1173	0.3908	4.752	0.001287	
CBDVa	0.1173	0.3908	ND	ND	
CBDV	0.1173	0.3908	ND	ND	
CBN	0.1173	0.3908	ND	ND	
CBGa	0.1173	0.3908	ND	ND	
CBG	0.1173	0.3908	ND	ND	
CBCa	0.2277	0.7589	ND	ND	
CBC	0.1173	0.3908	ND	ND	
CBL	0.1173	0.3908	ND	ND	
Total		2.3700	9.520	0.002579	

1 Unit = 12 fl oz Can, 369.1645g

Unit Mass/Volume provided by Client and may affect the validity of "mg/unit" results. SOP.102, AOAC 2018.11 (Modified); UHPLC-PDA. Total THC = THCa  $^{\circ}$  0.877 +  $\Delta$ 9-THC; Total CBD = CBDa  $^{\circ}$  0.877 + CBD; Total CBG = CBGa  $^{\circ}$  0.878 + CBG. Pass/Fail THC criteria, if listed, is in accordance with 86 FR 5596 issued by the USDA for pre-harvest hemp clearance (total THC - uncertainty  $\leq$  0.3% THC). Dry weight percent of cannabinoids, if listed, is calculated using the dried weight determined by the moisture content prior to extraction, indicated as follows (SOP.702; Gravimetry).

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Kristen Goedde Lab Manager

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### H-BEV0047 (060624)

Ingestible, Beverage



Microbials Pass

Date Analyzed: 06/13/2023

Analytes	Limit	Result	Status
	CFU/g	CFU/g	·
Total Aerobic Count	100000	<100	Pass
Salmonella SPP	Detected in 1g	Not Detected	Pass
E. Coli (STEC)	Detected in 1g	Not Detected	Pass
Yeast & Mold	10000	<100	Pass

SOP.602, SOP.606, SOP.607; qPCR, SOP.604; Plating, and/or SOP.605; MPN.

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### H-BEV0047 (060624)

Ingestible, Beverage



Mycotoxins **Pass** 

Date Analyzed: 06/09/2023

Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	μg/g	
Aflatoxin B1	0.000716	0.00239		ND	Tested
Aflatoxin B2	0.000716	0.00239		ND	Tested
Aflatoxin G1	0.000716	0.00239		ND	Tested
Aflatoxin G2	0.000716	0.00239		ND	Tested
Total Aflatoxins			0.0200	ND	Pass
Ochratoxin A	0.00286	0.00954	0.0200	ND	Pass





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### H-BEV0047 (060624)

Ingestible, Beverage



Elemental Date Analyzed: 06/13/2023

### **Heavy Metals**

Analytes	LOD	DOT	Limit	Result	Status
	µg/g	µg/g	µg/g	μg/g	
Arsenic	0.00651	0.0482	1.50	ND	Pass
Cadmium	0.000512	0.0241	0.500	ND	Pass
Lead	0.00609	0.0241	0.500	ND	Pass
Mercury	0.00276	0.00722	3.00	ND	Pass
Chromium	0.0259	0.0722		ND	Tested
Nickel	0.0266	0.0722		ND	Tested
Antimony	0.00805	0.0241		ND	Tested
Selenium	0.0126	0.0963		ND	Tested

### **Nutrients**

Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g	
Copper	0.103	0.489		ND	Tested
Iron	1.67	5.00		ND	Tested
Manganese	0.0155	0.489		<loq< th=""><th>Tested</th></loq<>	Tested
Zinc	1.67	5.00		ND	Tested

SOP 502; ICPMS.

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Sample Received: 06/09/2023; Report Created: 06/13/2023; Sampled By: Client;

H-BEV0047 (060624)

Ingestible, Beverage



**Pesticides** 

Date Analyzed: 06/12/2023

Analytes	LOD	LOQ	Limit	Result	Status	Analytes	LOD	LOQ	Limit	Result	Status
	μg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	μg/g	
Abamectin	0.00895	0.0298	0.300	ND	Pass	Fludioxonil	0.00895	0.0298	3.00	ND	Pass
Acephate	0.00895	0.0298	3.00	ND	Pass	Hexythiazox	0.00895	0.0298	2.00	ND	Pass
Acequinocyl	0.00895	0.0298	2.00	ND	Pass	Imazalil	0.00895	0.0298	0.100	ND	Pass
Acetamiprid	0.00895	0.0298	3.00	ND	Pass	Imidacloprid	0.00895	0.0298	3.00	ND	Pass
Aldicarb	0.00895	0.0298	0.100	ND	Pass	Kresoxim Methyl	0.00895	0.0298	1.00	ND	Pass
Azoxystrobin	0.00895	0.0298	3.00	ND	Pass	Malathion	0.00895	0.0298	2.00	ND	Pass
Bifenazate	0.00895	0.0298	3.00	ND	Pass	Metalaxyl	0.00895	0.0298	3.00	ND	Pass
Bifenthrin	0.00895	0.0298	0.500	ND	Pass	Methiocarb	0.00895	0.0298	0.100	ND	Pass
Boscalid	0.00895	0.0298	3.00	ND	Pass	Methomyl	0.00895	0.0298	0.100	ND	Pass
Captan	0.0716	0.239	3.00	ND	Pass	Mevinphos	0.00895	0.0298	0.100	ND	Pass
Carbaryl	0.00895	0.0298	0.500	ND	Pass	MGK-264	0.0179	0.0596		ND	Tested
Carbofuran	0.00895	0.0298	0.100	ND	Pass	Myclobutanil	0.00895	0.0298	3.00	ND	Pass
Chlorantraniliprole	0.00895	0.0298	3.00	ND	Pass	Naled	0.00895	0.0298	0.500	ND	Pass
Chlordane	0.00895	0.0298	0.100	ND	Pass	Oxamyl	0.00895	0.0298	0.500	ND	Pass
Chlorfenapyr	0.00895	0.0298	0.100	ND	Pass	Paclobutrazol	0.00895	0.0298	0.100	ND	Pass
Chlormequat chloride	0.00895	0.0298	3.00	ND	Pass	Parathion Methyl	0.00895	0.0298	0.100	ND	Pass
Chlorpyrifos	0.00895	0.0298	0.100	ND	Pass	Pentachloronitrobenzene	0.00895	0.0298	0.200	ND	Pass
Clofentezine	0.00895	0.0298	0.500	ND	Pass	Permethrins	0.0179	0.0596	1.00	ND	Pass
Coumaphos	0.00895	0.0298	0.100	ND	Pass	Phosmet	0.00895	0.0298	0.200	ND	Pass
Cyfluthrin	0.0358	0.119	1.00	ND	Pass	Piperonyl Butoxide	0.00895	0.0298	3.00	ND	Pass
Cypermethrin	0.0179	0.0596	1.00	ND	Pass	Prallethrin	0.0358	0.0298	0.400	ND	Pass
Daminozide	0.00895	0.0298	0.100	ND	Pass	Propiconazole	0.00895	0.0298	1.00	ND	Pass
Diazinon	0.00895	0.0298	0.200	ND	Pass	Propoxur	0.00895	0.0298	0.100	ND	Pass
Dichlorvos	0.00895	0.0298	0.100	ND	Pass	Pyrethrins	0.0358	0.119	1.00	ND	Pass
Dimethoate	0.00895	0.0298	0.100	ND	Pass	Pyridaben	0.00895	0.0298	3.00	ND	Pass
Dimethomorph	0.00895	0.0298	3.00	ND	Pass	Spinetoram	0.00895	0.0298	3.00	ND	Pass
Ethoprophos	0.00895	0.0298	0.100	ND	Pass	Spinosad	0.00895	0.0298	3.00	ND	Pass
Etofenprox	0.00895	0.0298	0.100	ND	Pass	Spiromesifen	0.00895	0.0298	3.00	ND	Pass
Etoxazole	0.00895	0.0298	1.50	ND	Pass	Spirotetramat	0.00895	0.0298	3.00	ND	Pass
Fenhexamid	0.00895	0.0298	3.00	ND	Pass	Spiroxamine	0.00895	0.0298	0.100	ND	Pass
Fenoxycarb	0.00895	0.0298	0.100	ND	Pass	Tebuconazole	0.00895	0.0298	1.00	ND	Pass
Fenpyroximate	0.00895	0.0298	0.100	ND	Pass	Thiacloprid	0.00895	0.0298	0.100	ND	Pass
Fipronil	0.00895	0.0298	0.100	ND	Pass	Thiamethoxam	0.00895	0.0298	1.00	ND	Pass
Flonicamid	0.00895	0.0298	2.00	ND	Pass	Trifloxystrobin	0.00895	0.0298	3.00	ND	Pass

SOP.402; LC-MS/MS & SOP.302; GC-MS



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Sampled By: Clie

### H-BEV0047 (060624)

Ingestible, Beverage



Residual Solvents Pass

Date Analyzed: 06/09/2023

Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	μg/g	
1,1- Dichloroethene	0.0362	0.109	8.00	ND	Pass
1,2-Dichloroethane	0.145	0.434	5.00	ND	Pass
Acetone	14.5	43.4	5000	ND	Pass
Acetonitrile	14.5	43.4	410	ND	Pass
Benzene	0.0362	0.109	2.00	ND	Pass
Butane	14.5	43.4	2000	ND	Pass
Chloroform	0.0362	0.109	60.0	ND	Pass
Ethanol	14.5	43.4	5000	727	Pass
Ethyl acetate	14.5	43.4	5000	ND	Pass
Ethyl ether	14.5	43.4	5000	ND	Pass
Ethylene oxide	0.145	0.434	5.00	ND	Pass
Heptane	14.5	43.4	5000	ND	Pass
n-Hexane	7.23	21.7	290	ND	Pass
Isopropyl alcohol	14.5	43.4	5000	ND	Pass
Methanol	14.5	43.4	3000	ND	Pass
Methylene chloride	0.0723	0.217	600	ND	Pass
Pentane	3.62	10.9	5000	ND	Pass
Propane	7.23	21.7	5000	ND	Pass
Toluene	7.23	21.7	890	ND	Pass
Trichloroethylene	0.0362	0.109	80.0	ND	Pass
Xylenes	7.23	21.7	2170	ND	Pass

SOP.204; HS-GC-MS.



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