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#### Beak & Skiff Research

4473 Cherry Valley Turnpike Lafayette, NY 13084 luke@beakandskiff.com (315) 506-4981 Lic. #: DOH-P-00032 Sample: 231018TRI001.001

Sample Description: Ayrloom Original - 2400mg Organic CBD Tincture

Batch#: 101823MV\_GVL; Sample Received: 10/20/2023; Report Created: 10/26/2023;

Sampled By: Client;

## T0085 (101725)

Ingestible, Tincture





62.86 mg/unit

Total THC

2168 mg/unit

Total CBD

20.17 mg/unit

**Total CBG** 

2326 mg/unit

**Total Cannabinoids** 

#### Cannabinoids

Date Analyzed: 10/20/2023

Analyte	LOD	LOQ	Result	Result	
	mg/unit	mg/unit	mg/unit	%	
THCa	0.3960	1.320	ND	ND	
Δ9-THC	0.3960	1.320	62.86	0.2205	
Δ8-THC	0.3960	1.320	ND	ND	
THCVa	0.3960	1.320	ND	ND	
THCV	0.3960	1.320	ND	ND	
CBDa	0.3960	1.320	ND	ND	
CBD	0.3960	1.320	2168	7.602	
CBDVa	0.3960	1.320	ND	ND	
CBDV	0.3960	1.320	13.45	0.04716	
CBN	0.3960	1.320	2.759	0.009675	
CBGa	0.3960	1.320	ND	ND	
CBG	0.3960	1.320	20.17	0.07074	
CBCa	0.7690	2.563	ND	ND	
CBC	0.3960	1.320	53.46	0.1875	
CBL	0.3960	1.320	5.628	0.01974	
Total			2326	8.158	

1 Unit = 30 mL Bottle, 28.5120g

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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## T0085 (101725)

Ingestible, Tincture



Microbials Pass

Date Analyzed: 10/23/2023

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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T0085 (101725)

Ingestible, Tincture



Mycotoxins

Date Analyzed: 10/25/2023

Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	μg/g	
Aflatoxin B1	0.00148	0.00492		ND	Tested
Aflatoxin B2	0.00148	0.00492		ND	Tested
Aflatoxin G1	0.00148	0.00492		ND	Tested
Aflatoxin G2	0.00148	0.00492		ND	Tested
Total Aflatoxins			0.0200	ND	Pass
Ochratoxin A	0.00590	0.0197	0.0200	ND	Pass

SOP.402; LC-MS/MS.

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Ingestible, Tincture



Elemental Date Analyzed: 10/26/2023

## **Heavy Metals**

Analytes	LOD	LOQ	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	1.00	ND	Pass
Mercury	0.00276	0.00722	1.50	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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Sampled By: Client;

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Ingestible, Tincture



**Pesticides** 

Date Analyzed: 10/25/2023

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	0.0184	0.0615	0.300	ND	Pass	Fludioxonil	0.0184	0.0615	3.00	ND	Pass
Acephate	0.0184	0.0615	3.00	ND	Pass	Hexythiazox	0.0184	0.0615	2.00	ND	Pass
Acequinocyl	0.0184	0.0615	2.00	ND	Pass	Imazalil	0.0184	0.0615	0.100	ND	Pass
Acetamiprid	0.0184	0.0615	3.00	ND	Pass	Imidacloprid	0.0184	0.0615	3.00	ND	Pass
Aldicarb	0.0184	0.0615	0.100	ND	Pass	Kresoxim Methyl	0.0184	0.0615	1.00	ND	Pass
Azoxystrobin	0.0184	0.0615	3.00	ND	Pass	Malathion	0.0184	0.0615	2.00	ND	Pass
Bifenazate	0.0184	0.0615	3.00	ND	Pass	Metalaxyl	0.0184	0.0615	3.00	ND	Pass
Bifenthrin	0.0184	0.0615	0.500	ND	Pass	Methiocarb	0.0184	0.0615	0.100	ND	Pass
Boscalid	0.0184	0.0615	3.00	ND	Pass	Methomyl	0.0184	0.0615	0.100	ND	Pass
Captan	0.148	0.492	3.00	ND	Pass	Mevinphos	0.0184	0.0615	0.100	ND	Pass
Carbaryl	0.0184	0.0615	0.500	ND	Pass	MGK-264	0.0369	0.123		ND	Tested
Carbofuran	0.0184	0.0615	0.100	ND	Pass	Myclobutanil	0.0184	0.0615	3.00	ND	Pass
Chlorantraniliprole	0.0184	0.0615	3.00	ND	Pass	Naled	0.0184	0.0615	0.500	ND	Pass
Chlordane	0.0184	0.0615	0.100	<loq< th=""><th>Pass</th><th>Oxamyl</th><th>0.0184</th><th>0.0615</th><th>0.500</th><th>ND</th><th>Pass</th></loq<>	Pass	Oxamyl	0.0184	0.0615	0.500	ND	Pass
Chlorfenapyr	0.0184	0.0615	0.100	ND	Pass	Paclobutrazol	0.0184	0.0615	0.100	ND	Pass
Chlormequat chloride	0.0184	0.0615	3.00	ND	Pass	Parathion Methyl	0.0184	0.0615	0.100	ND	Pass
Chlorpyrifos	0.0184	0.0615	0.100	ND	Pass	Pentachloronitrobenzene	0.0184	0.0615	0.200	ND	Pass
Clofentezine	0.0184	0.0615	0.500	ND	Pass	Permethrins	0.0369	0.123	1.00	ND	Pass
Coumaphos	0.0184	0.0615	0.100	ND	Pass	Phosmet	0.0184	0.0615	0.200	ND	Pass
Cyfluthrin	0.0738	0.246	1.00	ND	Pass	Piperonyl Butoxide	0.0184	0.0615	3.00	ND	Pass
Cypermethrin	0.0369	0.123	1.00	ND	Pass	Prallethrin	0.0738	0.0615	0.400	ND	Pass
Daminozide	0.0184	0.0615	0.100	ND	Pass	Propiconazole	0.0184	0.0615	1.00	ND	Pass
Diazinon	0.0184	0.0615	0.200	ND	Pass	Propoxur	0.0184	0.0615	0.100	ND	Pass
Dichlorvos	0.0184	0.0615	0.100	ND	Pass	Pyrethrins	0.0738	0.246	1.00	ND	Pass
Dimethoate	0.0184	0.0615	0.100	ND	Pass	Pyridaben	0.0184	0.0615	3.00	ND	Pass
Dimethomorph	0.0184	0.0615	3.00	ND	Pass	Spinetoram	0.0184	0.0615	3.00	ND	Pass
Ethoprophos	0.0184	0.0615	0.100	ND	Pass	Spinosad	0.0184	0.0615	3.00	ND	Pass
Etofenprox	0.0184	0.0615	0.100	ND	Pass	Spiromesifen	0.0184	0.0615	3.00	ND	Pass
Etoxazole	0.0184	0.0615	1.50	ND	Pass	Spirotetramat	0.0184	0.0615	3.00	ND	Pass
Fenhexamid	0.0184	0.0615	3.00	ND	Pass	Spiroxamine	0.0184	0.0615	0.100	ND	Pass
Fenoxycarb	0.0184	0.0615	0.100	ND	Pass	Tebuconazole	0.0184	0.0615	1.00	ND	Pass
Fenpyroximate	0.0184	0.0615	0.100	ND	Pass	Thiacloprid	0.0184	0.0615	0.100	ND	Pass
Fipronil	0.0184	0.0615	0.100	ND	Pass	Thiamethoxam	0.0184	0.0615	1.00	ND	Pass
Flonicamid	0.0184	0.0615	2.00	ND	Pass	Trifloxystrobin	0.0184	0.0615	3.00	ND	Pass

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



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T0085 (101725)

Ingestible, Tincture



**Residual Solvents** 

Date Analyzed: 10/24/2023

Analytes	LOD	LOQ	Limit	Result	Status
	μg/g	µg/g	µg/g	μg/g	
1,1- Dichloroethene	0.0382	0.115	8.00	ND	Pass
1,2-Dichloroethane	0.153	0.459	5.00	ND	Pass
Acetone	15.3	45.9	5000	ND	Pass
Acetonitrile	15.3	45.9	410	ND	Pass
Benzene	0.0382	0.115	2.00	ND	Pass
Butane	15.3	45.9	2000	ND	Pass
Chloroform	0.0382	0.115	60.0	ND	Pass
Ethanol	15.3	45.9	5000	ND	Pass
Ethyl acetate	15.3	45.9	5000	ND	Pass
Ethyl ether	15.3	45.9	5000	ND	Pass
Ethylene oxide	0.153	0.459	5.00	ND	Pass
Heptane	15.3	45.9	5000	ND	Pass
n-Hexane	7.64	22.9	290	ND	Pass
Isopropyl alcohol	15.3	45.9	5000	ND	Pass
Methanol	15.3	45.9	3000	ND	Pass
Methylene chloride	0.0764	0.229	600	ND	Pass
Pentane	3.82	11.5	5000	ND	Pass
Propane	7.64	22.9	5000	ND	Pass
Toluene	7.64	22.9	890	ND	Pass
Trichloroethylene	0.0382	0.115	80.0	ND	Pass
Xylenes	7.64	22.9	2170	ND	Pass

SOP.204; HS-GC-MS.



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