CERTIFICATE OF ANALYSIS

Beak & Skiff Research
4473 Cherry Valley Turnpike
Lafayette, NY 13084
luke@beakandskiff.com
(315) 506-4981
Lic. #: DOH-P-000032

Sample: 220906TRI002.001
Sample Description: T0039
Batch# : 09062022CB-HH;
Sample Received: 09/09/2022; Report Created: 09/16/2022;

090823 - Small
Ingestible, Tincture

13.64 mg/unit	479.5 mg/unit	507.4 mg/unit
Total THC	Total CBD	Total Cannabinoids
	5.585 mg/unit	
	Total CBG	

Cannabinoids

Complete

Date Analyzed: 09/12/2022

Analyte	Result mg/unit	Result %
THCa	ND	ND
Δ9-THC	13.64	0.04785
Δ8-THC	ND	ND
THCVa	ND	ND
THCV	ND	ND
CBDa	ND	ND
CBD	479.5	1.683
CBDVa	ND	ND
CBDV	1.768	0.006205
CBN	ND	ND
CBGa	ND	ND
CBG	5.585	0.01960
CBCa	ND	ND
CBC	6.927	0.02431
CBL	ND	ND
Total	**507.4**	**1.781**

1 Unit = 30 mL Bottle, 28.50g

SOP.102, AOAC 2018.11 (Modified); UHPLC-PDA. Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; Total CBG = CBGa * 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 ≤ 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.

TRI—CHOME ANALY-TI—CAL
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(856) 316-0600
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Lic# ISO/IEC 17025:2017 A2LA CERT# 5913.01 // DEA# RT0581098 // NJ HEMP# 34_00077

Kristen Goedde
Lab Manager

Tom Barkley
Technical Manager

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ND=Not Detected, NR=Not Reported, LOD=Limit of Detection, LOQ=Limit of Quantitation. Action levels reported for contaminants are in accordance with 10 NYCRR §1005 issued by the New York Cannabinoid Hemp Program. Values reported relate only to the product tested and batched under the batch number identified above. Trichome Analytical makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected level of any compounds reported herein. All analytical work is performed using validated methods and in accordance with state and/or federal guidelines. This certificate may only be reproduced in full.

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Sample Description: T0039
Batch# : 09062022CB-HH;
Sample Received: 09/09/2022; Report Created: 09/16/2022;

090823 - Small
Ingestible, Tincture

Microbials
Pass

Date Analyzed: 09/15/2022

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.
Coliform Count, Enterobacteriaceae, & Listeria Monocytogenes pending addition to ISO 17025 Scope of Accreditation.

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CERTIFICATE OF ANALYSIS

Prepared for:

O_CBD_DOIL_ORG_450

Beak and Skiff Research

Batch ID or Lot Number:	Test:	Reported:	Location:
T0039	**Pesticides**	**8/26/21**	4473 Cherry Valley Tpke Lafayette, NY 13084

Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000158831	8/24/21	N/A

Status:	Method:	Received:	Sampler ID:
N/A	TM17(LC-QQQ LC MS/MS):	08/20/2021 @ 01:46 PM	N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	28	ND	**Fenoxycarb**	41	ND	**Paclobutrazol**	43	ND
Acetamiprid	30	ND	**Fipronil**	55	ND	**Permethrin**	309	ND
Avermectin	273	ND	**Flonicamid**	58	ND	**Phosmet**	28	ND
Azoxystrobin	38	ND	**Fludioxonil**	370	ND	**Prophos**	370	ND
Bifenazate	42	ND	**Hexythiazox**	28	ND	**Propoxur**	34	ND
Boscalid	41	ND	**Imazalil**	293	ND	**Pyridaben**	291	ND
Carbaryl	31	ND	**Imidacloprid**	31	ND	**Spinosad A**	30	ND
Carbofuran	33	ND	**Kresoxim-methyl**	150	ND	**Spinosad D**	60	ND
Chlorantraniliprole	16	ND	**Malathion**	308	ND	**Spiromesifen**	226	ND
Chlorpyrifos	500	ND	**Metalaxyl**	39	ND	**Spirotetramat**	334	ND
Clofentezine	287	ND	**Methiocarb**	42	ND	**Spiroxamine 1**	21	ND
Diazinon	292	ND	**Methomyl**	29	ND	**Spiroxamine 2**	22	ND
Dichlorvos	300	ND	**MGK 264 1**	175	ND	**Tebuconazole**	339	ND
Dimethoate	39	ND	**MGK 264 2**	138	ND	**Thiacloprid**	36	ND
E-Fenpyroximate	274	ND	**Myclobutanil**	13	ND	**Thiamethoxam**	34	ND
Etofenprox	40	ND	**Naled**	42	ND	**Trifloxystrobin**	35	ND
Etoxazole	301	ND	**Oxamyl**	1500	ND			

Samantha Smith

Sam Smith
8/26/2021
4:08:00 PM

PREPARED BY / DATE

K Winternheimer

Karen Winternheimer
8/26/2021
4:11:00 PM

APPROVED BY / DATE

Definitions

LOQ - Limit of Quantitation
ppb - Parts per Billion

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.

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Certificate #4329.02

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CERTIFICATE OF ANALYSIS

Prepared for:

Beak and Skiff Research

O_CBD_DOIL_ORG_450

Batch ID or Lot Number:	Test:	Reported:	Location:
T0039	**Residual Solvents**	**8/25/21**	4473 Cherry Valley Tpke Lafayette, NY 13084

Matrix:	Test ID:	Started:	USDA License:
N/A	T000158834	8/25/21	N/A

Status:	Methods:	Received:	Sampler ID:
N/A	TM04 (GC-MS): Residual Solvents	08/20/2021 @ 01:46 PM	N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	85 - 1707	*ND	
Butanes (Isobutane, n-Butane)	163 - 3260	*ND	
Methanol	66 - 1319	*ND	
Pentane	93 - 1862	*ND	
Ethanol	97 - 1932	*ND	
Acetone	105 - 2091	*ND	
Isopropyl Alcohol	110 - 2194	*ND	
Hexane	6 - 127	*ND	
Ethyl Acetate	106 - 2128	*ND	
Benzene	0 - 4	*ND	
Heptanes	100 - 2003	*ND	
Toluene	19 - 383	*ND	
Xylenes (m,p,o-Xylenes)	141 - 2824	*ND	

Ryan Weems
25-Aug-21
5:31 PM

PREPARED BY / DATE

Sam Smith
25-Aug-21
5:34 PM

APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

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CERTIFICATE OF ANALYSIS

Prepared for:

O_CBD_DOIL_ORG_450

Beak and Skiff Research

Batch ID or Lot Number:	Test:	Reported:	Location:
T0039	**Metals**	**8/25/21**	4473 Cherry Valley Tpke Lafayette, NY 13084

Matrix:	Test ID:	Started:	USDA License:
Unit	T000158833	8/24/21	N/A

Status:	Method:	Received:	Sampler ID:
N/A	TM19 (ICP-MS): Heavy Metals	08/20/2021 @ 01:46 PM	N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.044 - 4.42	ND	
Cadmium	0.043 - 4.32	ND	
Mercury	0.044 - 4.35	ND	
Lead	0.041 - 4.07	ND	

Daniel Weidensaul
25-Aug-21
12:56 PM

PREPARED BY / DATE

Ryan Weems
25-Aug-21
12:57 PM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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Sample: 220329TRI003.001
Sample Description: O_CBD_DOIL_ORG_450
Batch# : 032922CB-HH;
Sample Received: 04/01/2022; Report Created: 04/04/2022;

T0039
Ingestible, Tincture

Mycotoxins
Pass
Date Analyzed: 04/01/2022

Analytes	Result	Status
	µg/g	
Aflatoxin B1	ND	Tested
Aflatoxin B2	ND	Tested
Aflatoxin G1	ND	Tested
Aflatoxin G2	ND	Tested
Total Aflatoxins	ND	Pass
Ochratoxin A	ND	Pass

SOP.402; LC-MS/MS.

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