



# Confidence Analytics

## Cannabis Analytical Chemistry Laboratory

WSLCB License # 0003 | 14797 NE 95th St, Redmond, WA 98052 | (206) 743-8843 | info@confabls.com

Certified For: Cannabinoids | Microbiologicals | Mycotoxins | Foreign Matter  
Pesticides | Heavy Metals | Terpenes | Residual Solvents | Moisture

### I-502 Certificate of Analysis

## Official Test Results for Laboratory Sample # 8091937

Origination: Kriva

UBI #: N/A

Inventory #: 090121L

Strain: CBDa Infused Lotion

License #: N/A

QA #: 20210923RB002

Type: Topical

Harvest Date: Unknown

Address: 7338 26th St E  
Fife, WA 98424

Date of Receipt: 2021-09-23  
Date of Testing: 2021-09-25

Approved By: T. Sasaki, Ph.D., CSO  
S. Stevens, LDR



### PASS/FAIL

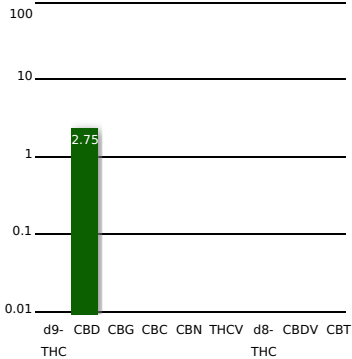
Microbiological **PASS**  
Mycotoxins **PASS**  
Pesticides **PASS**  
Heavy Metals **PASS**

### Shelf Stability

Loss-On-Drying **NE**  
Water Activity: **NE**

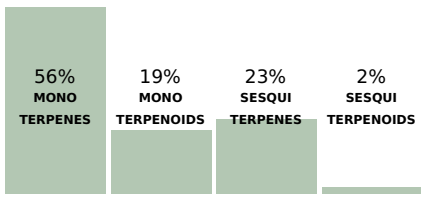
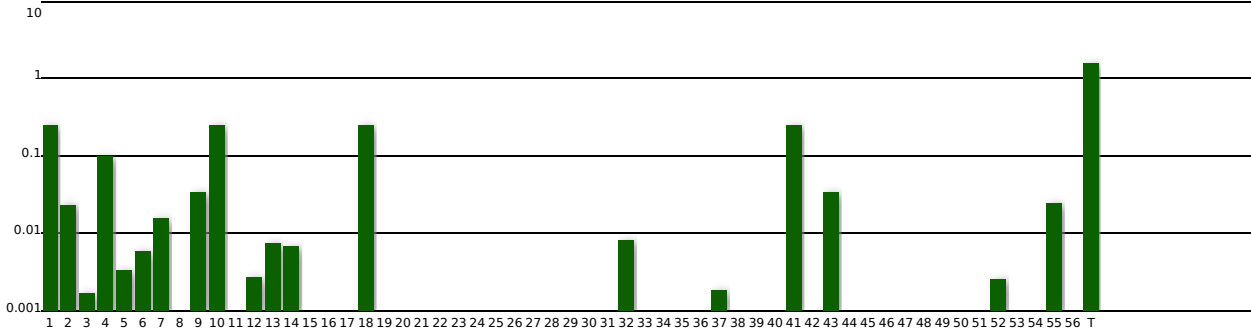
### Cannabinoid Profile (units of measure are by weight)

Unit is g		0 mg d9-THC/unit		0 mg CBD/unit	
*Calculated using unit size provided by the manufacturer.					
	%	mg/g		%	mg/g
THCA	ND	ND	d9-THC	ND	ND
CBDa	0.295	2.95	CBD	0.0168	0.168
CBGA	ND	ND	CBG	ND	ND
CBC	ND	ND	CBN	ND	ND
THCVA	ND	ND	THCV	ND	ND
CBDVA	ND	ND	CBDV	ND	ND
CBT	ND	ND	d8-THC	ND	ND



Total Canna. (raw sum): 0.312%, 3.12mg/g

### Terpene Fingerprint (units in percent by weight)



ref#	Name	%	ref#	Name	%	ref#	Name	%
10	Limonene	0.31	32	Geraniol	0.0084	50*	a-Maaliene	0.00075
41	Caryophyllene	0.25	13	Eucalyptol	0.0077	30*	Citronellol	0.00065
18	Linalool	0.23	14	g-Terpinene	0.007	T	<b>Total</b>	<b>1.3</b>
1*	Thujene	0.21	6	a-Phellandrene	0.0059			
4	Myrcene	0.1	5	b-Pinene	0.0034			
43	Humulene	0.034	12	b-Ocimene	0.0028			
9	a-Ocimene	0.034	52*	CaryophylleneOxide	0.0026			
55	Bisabolol	0.025	37*	trans-a-Bergamotene	0.0019			
2	a-Pinene	0.024	3	Camphene	0.0017			
7	Carene	0.016	15	Terpinolene	0.001			

Most Volatile

Least Volatile

\*Not yet included in ISO scope of accreditation.

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THCmax (a.k.a. Total THC) = d9-THC + (THC-A \* 0.877)

CBDmax (a.k.a. Total CBD) = CBD + (CBD-A \* 0.877)

Total Cannabinoid is a raw sum of all measured cannabinoids

In Traceability, Total Cannabinoid is a sum of THCmax and CBDmax

Figures may differ slightly from traceability due to rounding

ND = Not Detected  
NE = Not Examined  
Unk = Unknown

Analytical Methods Used  
Cannabinoids: HPLC-UV  
Microbial: Plate Counting  
Terpenes: HS-GC-FID  
Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS  
Water Activity: HYGROMER®



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### I-502 Certificate of Analysis

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**UBI #:** N/A

**Inventory #:** 090121L

**Strain:** CBDa Infused Lotion

**License #:** N/A

**QA #:** 20210923RB002

**Type:** Topical

**Harvest Date:** Unknown

**Address:** 7338 26th St E  
Fife, WA 98424

**Date of Receipt:** 2021-09-23  
**Date of Testing:** 2021-09-25

**Approved By:** T. Sasaki, Ph.D., CSO  
S. Stevens, LDR



## Quantitative Impurities Report

Concentrations of analytes used to determine pass/fail status of individual tests.

\* Greater than lower limit of detection (>LLOD) and less than lower limit of quantification (<LLOQ). Applies to instances when the analyte has been detected and positively identified, but the concentration is lower than we can accurately quantify. Literally: signal to noise ratio greater than 3 and signal less than calibration. LLOD is ~0.001 ppm for most analytes, LLOQ is ~0.01 for most analytes. Number shown is lower end of calibration (LLOQ).

\*\* Greater than upper limit of quantification (>ULOQ). Applies to instances when the analyte concentration in the sample is greater than we can accurately measure without additional testing. Number shown is upper end of calibration (ULOQ).

## Findings

ALKANES NOT EXAMINED

SOLVENT IMPURITIES NOT EXAMINED

ALCOHOLS NOT EXAMINED

### MYCOTOXINS

<u>Analyte</u>	<u>Concentration</u>	<u>Action Level*</u>
Aflatoxin B1	< LLOQ	20 ppb
Aflatoxin B2	< LLOQ	20 ppb
Aflatoxin G1	< LLOQ	20 ppb
Aflatoxin G2	< LLOQ	20 ppb
Ochratoxin A	< LLOQ	20 ppb

\*Action Level is Sum of Aflatoxins

### MICROBIOLOGICALS

<u>Organism</u>	<u>CFU/g</u>	<u>Action Level</u>
BTGN		
Bacteria	0	10000
Yeast / Mold	0	N/A
E. coli	0	1
Salmonella	0	1

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$THC_{max}$  (a.k.a. Total THC) =  $d9-THC + (THC-A * 0.877)$

$CBD_{max}$  (a.k.a. Total CBD) =  $CBD + (CBD-A * 0.877)$

Total Cannabinoid is a raw sum of all measured cannabinoids

In Traceability, Total Cannabinoid is a sum of  $THC_{max}$  and  $CBD_{max}$

Figures may differ slightly from traceability due to rounding

ND = Not Detected

NE = Not Examined

Unk = Unknown

Analytical Methods Used

Cannabinoids: HPLC-UV

Microbial: Plate Counting

Terpenes: HS-GC-FID

Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS

Water Activity: HYGROMER®



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**Chemical Residue Screen**

## Official Test Results for Laboratory Sample # 8091937

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**Strain:** CBDa Infused Lotion **License #:** N/A **QA #:** 20210923RB002  
**Type:** Topical **Harvest Date:** Unknown  
**Address:** 7338 26th St E **Date of Receipt:** 2021-09-23 **Approved By:** T. Sasaki, Ph.D., CSO  
Fife, WA 98424 **Date of Testing:** 2021-09-25 S. Stevens, LDR



## Chemical Residue Screen - Test Report

Cannabis samples were homogenized and extracted using a custom protocol. Instrumental analysis was performed with UHPLC-MS/MS (tandem quadrupole). Target compounds were identified by matching to Certified Reference Materials. Ion-selective detection (multiple reaction monitoring, or MRM) was used to ensure that precursor and product ions of the correct masses co-eluted and were observed in ratios matching those for the reference materials.



Dozens of compounds representing many different classes of fungicides, herbicides, and plant growth regulators were screened for. This document lists all analytes detected in the Chemical Residue Screen.

## Findings

Analyte Name	CAS #	PPM In Sample	PASS/FAIL	WA State Action Level	Analyte Name	CAS #	PPM In Sample	PASS/FAIL	WA State Action Level
(sum) Spinosads	NA	Not Detected	PASS	0.20 ppm	Dichlorvos	62-73-7	Not Detected	PASS	0.10 ppm
(sum) Permethrins	NA	Not Detected	PASS	0.20 ppm	Dimethoate	60-51-5	Not Detected	PASS	0.20 ppm
Abamectin B1a	71751-41-2	Not Detected	PASS	0.50 ppm	Ethoprophos	13194-48-4	Not Detected	PASS	0.20 ppm
Acephate	30560-19-1	Not Detected	PASS	0.40 ppm	Etofenprox	80844-07-1	Not Detected	PASS	0.40 ppm
Acetamiprid	135410-20-7	Not Detected	PASS	0.20 ppm	Etoxazole	153233-91-1	Not Detected	PASS	0.20 ppm
Aldicarb	116-06-3	Not Detected	PASS	0.40 ppm	Fenoxycarb	72490-01-8	Not Detected	PASS	0.20 ppm
Azoxystrobin	131860-33-8	Not Detected	PASS	0.20 ppm	Fenpyroximate	134098-61-6	Not Detected	PASS	0.40 ppm
Bifenazate	149877-41-8	Not Detected	PASS	0.20 ppm	Fipronil	120068-37-3	Not Detected	PASS	0.40 ppm
Bifenthrin	82657-04-3	Not Detected	PASS	0.20 ppm	Fonicamid	158062-67-0	Not Detected	PASS	1.00 ppm
Boscalid	188425-85-6	Not Detected	PASS	0.40 ppm	Fludioxiolix	131341-86-1	Not Detected	PASS	0.40 ppm
Carbaryl	63-25-2	Not Detected	PASS	0.20 ppm	Hexythiazox	78587-05-0	Not Detected	PASS	1.00 ppm
Carbofuran	1563-66-2	Not Detected	PASS	0.20 ppm	Imazalil	35554-44-0	Not Detected	PASS	0.20 ppm
Chlorantraniliprole	500008-45-7	Not Detected	PASS	0.20 ppm	Imidacloprid	138261-41-3	Not Detected	PASS	0.40 ppm
Chloromequat	7003-89-6	Not Detected	PASS	0.10 ppm	Kresoxim-methyl	143390-89-0	Not Detected	PASS	0.40 ppm
Chlorpyrifos	2921-88-2	Not Detected	PASS	0.20 ppm	Malathion	121-75-5	Not Detected	PASS	0.20 ppm
Clofentezine	74115-24-5	Not Detected	PASS	0.20 ppm	Metalaxyl	57837-19-1	Not Detected	PASS	0.20 ppm
Daminozide	1596-84-5	Not Detected	PASS	1.00 ppm	Methiocarb	2032-65-7	Not Detected	PASS	0.20 ppm
Diazinon	333-41-5	Not Detected	PASS	0.20 ppm	Methomyl	16752-77-5	Not Detected	PASS	0.40 ppm

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## Findings

Analyte Name	CAS #	PPM In Sample	PASS/FAIL	WA State Action Level	Analyte Name	CAS #	PPM In Sample	PASS/FAIL	WA State Action Level
Myclobutanil	88671-89-0	Not Detected	PASS	0.20 ppm	Thiamethoxam	153719-23-4	Not Detected	PASS	0.20 ppm
Naled	300-76-5	Not Detected	PASS	0.50 ppm	Trifloxystrobin	141517-21-7	Not Detected	PASS	0.20 ppm
Oxamyl	23135-22-0	Not Detected	PASS	1.00 ppm	Uniconazole	83657-22-1	Not Detected	PASS	0.10 ppm
Paclobutrazol	76738-62-0	Not Detected	PASS	0.40 ppm	cis-Permethrin	52645-53-1	Not Detected	PASS	0.20 ppm
Phosemet (Imidan)	732-11-6	Not Detected	PASS	0.20 ppm	trans-Permethrin	52645-53-2	Not Detected	PASS	0.20 ppm
Piperonyl Butoxide	51-03-6	Not Detected	PASS	2.00 ppm					
Prallethrin	23031-36-9	Not Detected	PASS	0.20 ppm					
Propiconazole	60207-90-1	Not Detected	PASS	0.40 ppm					
Propoxur	114-26-1	Not Detected	PASS	0.20 ppm					
Pyrethrin I	8003-34-7	Not Detected	PASS	1.00 ppm					
Pyridaben	96489-71-3	Not Detected	PASS	0.20 ppm					
Spinosad A	168316-95-8	Not Detected	PASS	0.20 ppm					
Spinosad D	168316-95-9	Not Detected	PASS	0.20 ppm					
Spiromesifen	283594-90-1	Not Detected	PASS	0.20 ppm					
Spirotetramat	203313-25-1	Not Detected	PASS	0.20 ppm					
Spiroxamine	118134-30-8	Not Detected	PASS	0.40 ppm					
Tebuconazole	80443-41-0	Not Detected	PASS	0.40 ppm					
Thiacloprid	111988-49-9	Not Detected	PASS	0.20 ppm					

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## Heavy Metals Report

Heavy metals are tested via ICP-MS.

Concentrations of analytes used to determine pass/fail status of individual elements.

\* Less than the lower limit of quantitation. The method LLOQ is 0.05 ug/g. The LOQ is .05 ug/g for all metals.

\*\* Greater than the upper limit of quantification (>ULOQ), applies to instances when the analyte concentration in the sample is greater than we can accurately measure without additional testing. The ULOQ for all metals is 2.5 ug/g

## Findings

### HEAVY METALS

<u>Analyte</u>	<u>Element</u>	<u>Concentration</u>	<u>Action Level</u>	<u>Pass/Fail</u>
Arsenic	As	<LLOQ* ug/g	2 ug/g	<b>PASS</b>
Cadmium	Cd	<LLOQ* ug/g	0.82 ug/g	<b>PASS</b>
Mercury	Hg	<LLOQ* ug/g	0.4 ug/g	<b>PASS</b>
Lead	Pb	<LLOQ* ug/g	1.2 ug/g	<b>PASS</b>

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