



# CERTIFICATE OF ANALYSIS



## SAMPLE INFORMATION

Sample Name: Dog Hot Spot Foam  
Sample Id: 133380  
Received: 08/29/2019 12:37  
Servings Per Pkg: 1  
Overall Result: N/A

Sample Matrix: Topical  
Collected: 08/29/2019 11:06  
Serving Size: 1-3 pumps  
Density: 1.0830 g/ml

## MANUFACTURER INFO

Business Name: CBD Living Water  
City:  
Zip Code:

Street Address:  
State:  
License:

## CANNABINOID ANALYSIS

**i** Total THC,CBD value(s) have been decarboxylated.

TOTAL THC: ND per serving (ND) (ND)  
TOTAL CBD: 239.4 mg per serving (2.029 mg/mL) (0.1873 %)  
TOTAL CANNABINOIDS: 243.2 mg per serving (2.061 mg/mL) (0.1903 %)

TEST TYPE RESULT: N/A  
UNIT OF MEASUREMENT: Milligrams per Milliliter(mg/mL)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	ND	0.0100	0.0250	D8THC	ND	0.0100	0.0250
CBG	<1 mg/ml (<1 mg/ml)	0.0100	0.0250	CBC	ND	0.0100	0.0250
THCv	ND	0.0100	0.0250	CBD	2.029 mg/mL (0.1873 %)	0.0100	0.0250
CBN	0.0321 mg/mL (0.0030 %)	0.0100	0.0250	CBDv	<1 mg/ml (<1 mg/ml)	0.0100	0.0250
THCa	ND	0.0100	0.0250	CBGa	ND	0.0100	0.0250
CBDa	ND	0.0100	0.0250				

## ADDITIONAL INFORMATION

Method: SOP-TECH-001  
Instrument: UPLC-DAD

Sample Prepped 08/30/2019 15:47  
Sample Analyzed 08/30/2019 19:12

Sample Approved 09/03/2019 14:38





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This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of these conditions renders the report and its results void.

All LQC samples required by state regulations were performed and met the acceptance criteria.

### DATA REVIEWED AND APPROVED BY

09/03/2019

Swetha Kaul, PhD  
Chief Scientific Officer

Date





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### SAMPLE INFORMATION

Sample Name:	Dog Spot Foam	Sample Matrix:	Topical
Sample Id:	133381	Collected:	08/29/2019 11:07
Received:	08/29/2019 12:37	Serving Size:	1-3 pumps
Servings Per Pkg:	1	Density:	1.0830 g/ml
Overall Result:	Pass		

### MANUFACTURER INFO

Business Name:	CBD Living Water	Street Address:	
City:		State:	
Zip Code:		License:	

## CHEMICAL RESIDUE ANALYSIS

TEST TYPE RESULT: **Pass**

UNIT OF MEASUREMENT: **Micrograms per Gram(ug/g)**

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Abamectin	ND	0.0200	0.0400	0.3000 <b>Pass</b>	Acephate	ND	0.0200	0.0400	5.000 <b>Pass</b>
Acequinocyl	ND	0.0200	0.0400	4.000 <b>Pass</b>	Acetamiprid	ND	0.0200	0.0400	5.000 <b>Pass</b>
Aldicarb	ND	0.0200	0.0400	0.0 <b>Pass</b>	Azoxystrobin	ND	0.0200	0.0400	40.00 <b>Pass</b>
Bifenazate	ND	0.0200	0.0400	5.000 <b>Pass</b>	Bifenthrin	ND	0.0200	0.0400	0.5000 <b>Pass</b>
Boscalid	ND	0.0200	0.0400	10.00 <b>Pass</b>	Carbaryl	ND	0.0200	0.0400	0.5000 <b>Pass</b>
Carbofuran	ND	0.0200	0.0400	0.0 <b>Pass</b>	Chlorantraniliprole	ND	0.0200	0.0400	40.00 <b>Pass</b>
Chlorfenapyr	ND	0.0200	0.0400	0.0 <b>Pass</b>	Chlorpyrifos	ND	0.0200	0.0400	0.0 <b>Pass</b>
Clofentezine	ND	0.0200	0.0400	0.5000 <b>Pass</b>	Coumaphos	ND	0.0200	0.0400	0.0 <b>Pass</b>
Cyfluthrin	ND	0.1000	0.2000	1.000 <b>Pass</b>	Cypermethrin	ND	0.0400	0.1000	1.000 <b>Pass</b>
Daminozide	ND	0.0200	0.0400	0.0 <b>Pass</b>	Diazinon	ND	0.0200	0.0400	0.2000 <b>Pass</b>
Dichlorvos	ND	0.0200	0.0400	0.0 <b>Pass</b>	Dimethoate	ND	0.0200	0.0400	0.0 <b>Pass</b>
Dimethomorph	ND	0.0099	0.0198	20.00 <b>Pass</b>	Ethoprophos	ND	0.0200	0.0400	0.0 <b>Pass</b>
Etofenprox	ND	0.0200	0.0400	0.0 <b>Pass</b>	Etoxazole	ND	0.0200	0.0400	1.500 <b>Pass</b>
Fenhexamid	ND	0.0200	0.0400	10.00 <b>Pass</b>	Fenoxycarb	ND	0.0200	0.0400	0.0 <b>Pass</b>
Fenpyroximate	ND	0.0200	0.0400	2.000 <b>Pass</b>	Fipronil	ND	0.0200	0.0400	0.0 <b>Pass</b>
Fonicamid	ND	0.0200	0.0400	2.000 <b>Pass</b>	Fludioxonil	ND	0.0200	0.0400	30.00 <b>Pass</b>
Hexythiazox	ND	0.0200	0.0400	2.000 <b>Pass</b>	Imazalil	ND	0.0200	0.0400	0.0 <b>Pass</b>
Imidacloprid	ND	0.0200	0.0400	3.000 <b>Pass</b>	KresoximMethyl	ND	0.0200	0.0400	1.000 <b>Pass</b>
Malathion	ND	0.0200	0.0400	5.000 <b>Pass</b>	Metalaxyl	ND	0.0200	0.0400	15.00 <b>Pass</b>
Methiocarb	ND	0.0200	0.0400	0.0 <b>Pass</b>	Methomyl	ND	0.0200	0.0400	0.1000 <b>Pass</b>
Mevinphos	ND	0.0200	0.0400	0.0 <b>Pass</b>	Myclobutanil	ND	0.0200	0.0400	9.000 <b>Pass</b>
Naled	ND	0.0200	0.0400	0.5000 <b>Pass</b>	Oxamyl	ND	0.0200	0.0400	0.2000 <b>Pass</b>
Paclobutrazol	ND	0.0200	0.0400	0.0 <b>Pass</b>	Permethrins	ND	0.0200	0.0400	20.00 <b>Pass</b>





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Phosmet	ND	0.0200	0.0400	0.2000	Pass	PiperonylButoxide	ND	0.0200	0.0400	8.000	Pass
Prallethrin	ND	0.0200	0.0400	0.4000	Pass	Propiconazole	ND	0.0200	0.0400	20.00	Pass
Propoxur	ND	0.0200	0.0400	0.0	Pass	Pyrethrins	ND	0.0178	0.0356	1.000	Pass
Pyridaben	ND	0.0200	0.0400	3.000	Pass	Spinetoram	ND	0.0200	0.0400	3.000	Pass
Spinosad	ND	0.0200	0.0400	3.000	Pass	Spiromesifen	ND	0.0200	0.0400	12.00	Pass
Spirotetramat	ND	0.0200	0.0400	13.00	Pass	Spiroxamine	ND	0.0200	0.0400	0.4000	Pass
Tebuconazole	ND	0.0200	0.0400	2.000	Pass	Thiacloprid	ND	0.0200	0.0400	0.0	Pass
Thiamethoxam	ND	0.0200	0.0400	4.500	Pass	Trifloxystrobin	ND	0.0200	0.0400	30.00	Pass

## ADDITIONAL INFORMATION

Method: SOP-TECH-002  
Instrument: LC-MS/MS

Sample Prepped 09/04/2019 07:27  
Sample Analyzed 09/04/2019 07:29

Sample Approved 09/04/2019 18:55



## CHEMICAL RESIDUE GC ANALYSIS

TEST TYPE RESULT: **Pass**

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		
Captan	ND	0.1000	0.2000	5.000	Pass	Chlordane	ND	0.0400	0.1000	0.0	Pass
MethylParathion	ND	0.0400	0.1000	0.0	Pass	PCNB	ND	0.0200	0.0400	0.2000	Pass

## ADDITIONAL INFORMATION

Method: SOP-TECH-010  
Instrument: GC-MS/MS

Sample Prepped 09/04/2019 07:27  
Sample Analyzed 09/04/2019 07:29

Sample Approved 09/04/2019 20:57



## RESIDUAL SOLVENT ANALYSIS

TEST TYPE RESULT: **Pass**

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		
Acetone	ND	2.500	5.000	5000	Pass	Acetonitrile	ND	0.5000	1.000	410.0	Pass
Benzene	ND	0.5000	1.000	1.000	Pass	Butane	ND	24.00	48.00	5000	Pass
Chloroform	ND	0.5000	1.000	1.000	Pass	Ethanol	85.02 ug/g	1.000	2.500	5000	Pass
Ethyl Acetate	ND	2.500	5.000	5000	Pass	Ethyl Ether	ND	10.00	50.00	5000	Pass
Ethylene oxide	ND	0.5000	1.000	1.000	Pass	Heptane	ND	0.2500	0.5000	5000	Pass
Hexane	ND	0.2500	0.5000	290.0	Pass	Isopropyl Alcohol	13.93 ug/g	0.2500	0.5000	5000	Pass
Methanol	13.60 ug/g	1.000	2.500	3000	Pass	Methylene chloride	ND	0.2500	0.5000	1.000	Pass
Pentane	ND	1.000	2.500	5000	Pass	Propane	ND	5.000	10.00	5000	Pass
Toluene	ND	0.2500	0.5000	890.0	Pass	Xylenes	ND	0.5000	1.000	2170	Pass
Trichloroethylene	ND	0.2500	0.5000	1.000	Pass	1,2-Dichloroethane	ND	0.2500	0.5000	1.000	Pass

## ADDITIONAL INFORMATION

Method: SOP-TECH-021  
Instrument: HS-GC-MS/FID

Sample Prepped 08/30/2019 17:09  
Sample Analyzed 08/30/2019 17:09

Sample Approved 09/03/2019 19:51





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## MICROBIAL ANALYSIS

TEST TYPE RESULT: **Pass**  
UNIT OF MEASUREMENT: Cycle Threshold (Ct)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
A.fumigatus	ND	33.00	0.0	0.0 <b>Pass</b>	A. flavus	ND	33.00	0.0	0.0 <b>Pass</b>
A. niger	ND	33.00	0.0	0.0 <b>Pass</b>	A. terreus	ND	33.00	0.0	0.0 <b>Pass</b>
STEC	ND	33.00	0.0	0.0 <b>Pass</b>	Salmonella spp	ND	33.00	0.0	0.0 <b>Pass</b>

### ADDITIONAL INFORMATION

Method: SOP-TECH-016, SOP-TECH-022      Sample Prepped 08/30/2019 05:54      Sample Approved 08/30/2019 14:34  
Instrument: qPCR      Sample Analyzed 08/30/2019 08:48

## HEAVY METALS

TEST TYPE RESULT: **Pass**  
UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Arsenic	ND	0.0200	0.0500	1.500 <b>Pass</b>	Cadmium	ND	0.0050	0.0500	0.5000 <b>Pass</b>
Lead	<LLOQ	0.0100	0.0500	0.5000 <b>Pass</b>	Mercury	ND	0.0030	0.0500	3.000 <b>Pass</b>

### ADDITIONAL INFORMATION

Method: SOP-TECH-013      Sample Prepped 08/30/2019 10:09      Sample Approved 09/03/2019 18:34  
Instrument: ICP-MS      Sample Analyzed 09/03/2019 10:56

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All LQC samples required by state regulations were performed and met the acceptance criteria.

## DATA REVIEWED AND APPROVED BY

09/04/2019

Swetha Kaul, PhD  
Chief Scientific Officer

Date

