

CBD Cream 1oz Airless Pump

FARM BILL
COMPLIANTSAMPLE ID
149261SAMPLE NAME
CBD Cream 1oz Airless PumpMATRIX
TopicalBATCH ID
9301ACOLLECTED
11/05/2019 11:18RECEIVED
11/05/2019 11:18SERVING SIZE
1SERVINGS PER PACKAGE
1**TOTAL
CBD****304.2**
MG PER SERVING**TOTAL
THC****ND**
MG PER SERVING**TOTAL
CANNABINOIDS****307.8**
MG PER SERVING**Chemical Residue**

No Analytes Detected

**Chemical Residue GC**

No Analytes Detected

**Microbial Plating**

No Analytes Detected

**Heavy Metals**

Lead: <LLOQ

Water Activity

aW: 0.9968 aw



Indicates that the hemp product passes some of the strictest testing standards available for cannabis and hemp.



CANNABINOID ANALYSIS

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

TOTAL THC: ND per serving (ND) (ND)
 TOTAL CBD: 304.2 mg per serving (10.29 mg/g) (1.029 %)
 TOTAL CANNABINOIDS: 307.8 mg per serving (10.41 mg/g) (1.041 %)

UNIT OF MEASUREMENT: Milligrams per Gram(mg/g)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
THCa	ND	0.0100	0.0250	CBDv	0.1215 mg/g (0.0122 %)	0.0100	0.0250
D9THC	ND	0.0100	0.0250	CBGa	ND	0.0100	0.0250
D8THC	ND	0.0100	0.0250	CBG	ND	0.0100	0.0250
THCv	ND	0.0100	0.0250	CBN	ND	0.0100	0.0250
CBDa	ND	0.0100	0.0250	CBC	ND	0.0100	0.0250
CBD	10.29 mg/g (1.029 %)	0.0100	0.0250				

ADDITIONAL INFORMATION

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

Sample Prepped 11/06/2019 14:48
 Sample Analyzed 11/06/2019 14:49

Sample Approved 11/07/2019 15:29

CHEMICAL RESIDUE ANALYSIS

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	Acephate	ND	0.0200	0.0400	5.000
Acequinocyl	ND	0.0200	0.0400	4.000	Acetamiprid	ND	0.0200	0.0400	5.000
Aldicarb	ND	0.0200	0.0400	0.0	Azoxystrobin	ND	0.0200	0.0400	40.00
Bifenazate	ND	0.0200	0.0400	5.000	Bifenthrin	ND	0.0200	0.0400	0.5000
Boscalid	ND	0.0200	0.0400	10.00	Carbaryl	ND	0.0200	0.0400	0.5000
Carbofuran	ND	0.0200	0.0400	0.0	Chlorantraniliprole	ND	0.0200	0.0400	40.00
Chlorfenapyr	ND	0.0200	0.0400	0.0	Chlorpyrifos	ND	0.0200	0.0400	0.0
Clofentezine	ND	0.0200	0.0400	0.5000	Coumaphos	ND	0.0200	0.0400	0.0
Cyfluthrin	ND	0.1000	0.2000	1.000	Cypermethrin	ND	0.0400	0.1000	1.000
Daminozide	ND	0.0200	0.0400	0.0	Diazinon	ND	0.0200	0.0400	0.2000
Dichlorvos	ND	0.0200	0.0400	0.0	Dimethoate	ND	0.0200	0.0400	0.0
Dimethomorph	ND	0.0099	0.0198	20.00	Ethoprophos	ND	0.0200	0.0400	0.0
Etofenprox	ND	0.0200	0.0400	0.0	Etoxazole	ND	0.0200	0.0400	1.500
Fenhexamid	ND	0.0200	0.0400	10.00	Fenoxycarb	ND	0.0200	0.0400	0.0
Fenpyroximate	ND	0.0200	0.0400	2.000	Fipronil	ND	0.0200	0.0400	0.0
Flonicamid	ND	0.0200	0.0400	2.000	Fludioxonil	ND	0.0200	0.0400	30.00
Hexythiazox	ND	0.0200	0.0400	2.000	Imazalil	ND	0.0200	0.0400	0.0
Imidacloprid	ND	0.0200	0.0400	3.000	KresoximMethyl	ND	0.0200	0.0400	1.000
Malathion	ND	0.0200	0.0400	5.000	Metalaxyl	ND	0.0200	0.0400	15.00
Methiocarb	ND	0.0200	0.0400	0.0	Methomyl	ND	0.0200	0.0400	0.1000
Mevinphos	ND	0.0200	0.0400	0.0	Myclobutanil	ND	0.0200	0.0400	9.000
Naled	ND	0.0200	0.0400	0.5000	Oxamyl	ND	0.0200	0.0400	0.2000
Paclotrazol	ND	0.0200	0.0400	0.0	Permethrins	ND	0.0200	0.0400	20.00



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

ADDITIONAL INFORMATION

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

Sample Prepped 11/06/2019 12:40
Sample Analyzed 11/06/2019 12:41

Sample Approved 11/07/2019 13:51



CHEMICAL RESIDUE GC ANALYSIS

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	Chlordane	ND	0.0400	0.1000	0.0
MethylParathion	ND	0.0400	0.1000	0.0	PCNB	ND	0.0200	0.0400	0.2000

ADDITIONAL INFORMATION

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

Sample Prepped 11/06/2019 12:40
Sample Analyzed 11/06/2019 12:41

Sample Approved 11/07/2019 18:04



MICROBIAL PLATE ANALYSIS

UNIT OF MEASUREMENT: Colony Forming Unit(CFU)

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
Coliform	ND	0.0	10.00	E.coli	ND	0.0	10.00
Mold	ND	0.0	10.00	Yeast	ND	0.0	10.00
APC	ND	0.0	10.00				

ADDITIONAL INFORMATION

Method: SOP-TECH-005, SOP-TECH-006
Instrument: PetriFilm/Incubator

Sample Prepped 11/06/2019 06:45
Sample Analyzed 11/07/2019 07:40

Sample Approved 11/08/2019 13:52



HEAVY METALS ANALYSIS

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	Cadmium	ND	0.0050	0.0500	0.5000
Lead	<LLOQ	0.0100	0.0500	0.5000	Mercury	ND	0.0030	0.0500	3.000

ADDITIONAL INFORMATION

Method: SOP-TECH-013
Instrument: ICP-MS

Sample Prepped 11/06/2019 06:46
Sample Analyzed 11/06/2019 12:26

Sample Approved 11/06/2019 18:08

WATER ACTIVITY ANALYSIS

UNIT OF MEASUREMENT: Water Activity Units(aw)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
AW	0.9968 aw	0.0	0.0	0.8501					

ADDITIONAL INFORMATION

Method: SOP-TECH-018
Instrument: Water Activity Meter

Sample Prepped 11/06/2019 14:44
Sample Analyzed 11/06/2019 14:45

Sample Approved 11/06/2019 15:40

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



11/22/2019

Swetha Kaul, PhD
Chief Scientific Officer

Date

