

# 200mg Vape (Lift) Peppermint

FARM BILL  
COMPLIANT



SAMPLE ID  
145768

SAMPLE NAME  
200mg Vape (Lift) Peppermint

MATRIX  
Inhalable Concentrate

COLLECTED  
10/28/2019 16:52

RECEIVED  
10/28/2019 16:52

CULTIVATOR INFO  
Lift Brands North America

**TOTAL  
CBD**

**34.12 %**

**TOTAL  
THC**

**ND**

**TOTAL  
CANNABINOIDS**

**35.28 %**

**TOTAL  
TERPENES**

**0.42 %**

**Chemical Residue**

No Analytes Detected



**Chemical Residue GC**

No Analytes Detected



**Residual Solvent**

Butane: 67.13 ug/g, Acetone: <LLOQ, Methanol: <LLOQ



**Microbial qPCR**

No Analytes Detected



**Heavy Metals**

Lead: 0.1724 ug/g, Mercury: <LLOQ



**Mycotoxins**

No Analytes Detected



**Vitamin E Acetate**

No Analytes Detected



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 (ND)  
 TOTAL CBD: 341.2 mg/g (34.12 %)  
 TOTAL CANNABINOIDS: 352.8 mg/g (35.28 %)

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	ND	0.2500	0.5000	D8THC	ND	0.2500	0.5000
CBG	5.306 mg/g (0.5306 %)	0.2500	0.5000	CBC	4.559 mg/g (0.4559 %)	0.2500	0.5000
THCv	ND	0.2500	0.5000	CBD	341.2 mg/g (34.12 %)	0.2500	0.5000
CBN	1.708 mg/g (0.1708 %)	0.2500	0.5000	CBDv	ND	0.2500	0.5000
THCa	ND	0.2500	0.5000	CBGa	ND	0.2500	0.5000
CBDa	ND	0.2500	0.5000				

### ADDITIONAL INFORMATION

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

Sample Prepped 11/04/2019 19:12  
 Sample Analyzed 11/04/2019 19:15

Sample Approved 11/05/2019 17:13

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



Phosmet	ND	0.0200	0.0400	0.1000	PiperonylButoxide	ND	0.0200	0.0400	3.000
Prallethrin	ND	0.0200	0.0400	0.1000	Propiconazole	ND	0.0200	0.0400	0.1000
Propoxur	ND	0.0200	0.0400	0.0	Pyrethrins	ND	0.0178	0.0356	0.5000
Pyridaben	ND	0.0200	0.0400	0.1000	Spinetoram	ND	0.0200	0.0400	0.1000
Spinosad	ND	0.0200	0.0400	0.1000	Spiromesifen	ND	0.0200	0.0400	0.1000
Spirotetramat	ND	0.0200	0.0400	0.1000	Spiroxamine	ND	0.0200	0.0400	0.0
Tebuconazole	ND	0.0200	0.0400	0.1000	Thiacloprid	ND	0.0200	0.0400	0.0
Thiamethoxam	ND	0.0200	0.0400	5.000	Trifloxystrobin	ND	0.0200	0.0400	0.1000

**ADDITIONAL INFORMATION**

Method: SOP-TECH-002      Sample Prepped 11/04/2019 12:47      Sample Approved 11/05/2019 15:46  
 Instrument: LC-MS/MS      Sample Analyzed 11/04/2019 12:49

## 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	0.7000	Chlordane	ND	0.0400	0.1000	0.0
MethylParathion	ND	0.0400	0.1000	0.0	PCNB	ND	0.0200	0.0400	0.1000

**ADDITIONAL INFORMATION**

Method: SOP-TECH-010      Sample Prepped 11/04/2019 12:47      Sample Approved 11/05/2019 10:47  
 Instrument: GC-MS/MS      Sample Analyzed 11/04/2019 12:49

## TERPENE ANALYSIS

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
Limonene	0.5836 mg/g (0.0584 %)	0.0200	0.0400	Delta-3-Carene	0.1084 mg/g (0.0108 %)	0.0200	0.0400
Gamma-Terpinene	0.4787 mg/g (0.0479 %)	0.0200	0.0400	Nerolidol	0.1261 mg/g (0.0126 %)	0.0200	0.0400
Linalool	0.1015 mg/g (0.0102 %)	0.0200	0.0400	Geraniol	ND	0.0200	0.0400
Alpha-Bisabolol	0.2390 mg/g (0.0239 %)	0.0200	0.0400	Isopulegol	ND	0.0200	0.0400
Alpha-Pinene	0.1757 mg/g (0.0176 %)	0.0200	0.0400	Beta-Pinene	0.2487 mg/g (0.0249 %)	0.0200	0.0400
Eucalyptol	1.434 mg/g (0.1434 %)	0.0200	0.0400	Ocimene	ND	0.0200	0.0400
Terpinolene	0.0969 mg/g (0.0097 %)	0.0200	0.0400	P-Cymene	0.1062 mg/g (0.0106 %)	0.0200	0.0400
B-Myrcene	0.1019 mg/g (0.0102 %)	0.0200	0.0400	Beta-Caryophyllene	0.2111 mg/g (0.0211 %)	0.0200	0.0400
Alpha-Terpinene	0.0714 mg/g (0.0071 %)	0.0200	0.0400	Alpha-Humulene	ND	0.0200	0.0400
Guaiol	0.1204 mg/g (0.0120 %)	0.0200	0.0400	Camphene	ND	0.0200	0.0400
Caryophyllene Oxide	0.0402 mg/g (0.0040 %)	0.0200	0.0400				

**ADDITIONAL INFORMATION**

Method: SOP-TECH-004      Sample Prepped 10/31/2019 16:54      Sample Approved 11/01/2019 13:23  
 Instrument: HS-GC-FID      Sample Analyzed 10/31/2019 16:55

## RESIDUAL SOLVENT ANALYSIS

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

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Acetone	<LLOQ	2.500	5.000	5000	Acetonitrile	ND	0.5000	1.000	410.0
Benzene	ND	0.5000	1.000	1.000	Butane	67.13 ug/g	24.00	48.00	5000
Chloroform	ND	0.5000	1.000	1.000	Ethanol	ND	1.000	2.500	5000
Ethyl Acetate	ND	2.500	5.000	5000	Ethyl Ether	ND	10.00	50.00	5000
Ethylene oxide	ND	0.5000	1.000	1.000	Heptane	ND	0.2500	0.5000	5000
Hexane	ND	0.2500	0.5000	290.0	Isopropyl Alcohol	ND	0.2500	0.5000	5000
Methanol	<LLOQ	1.000	2.500	3000	Methylene chloride	ND	0.2500	0.5000	1.000
Pentane	ND	1.000	2.500	5000	Propane	ND	5.000	10.00	5000
Toluene	ND	0.2500	0.5000	890.0	Xylenes	ND	0.5000	1.000	2170
Trichloroethylene	ND	0.2500	0.5000	1.000	1,2-Dichloroethane	ND	0.2500	0.5000	1.000

### ADDITIONAL INFORMATION

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

Sample Prepped 11/01/2019 18:11  
Sample Analyzed 11/01/2019 18:11

Sample Approved 11/04/2019 14:50

## MICROBIAL qPCR ANALYSIS

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	A. flavus	ND	33.00	0.0	0.0
A. niger	ND	33.00	0.0	0.0	A. terreus	ND	33.00	0.0	0.0
STEC	ND	33.00	0.0	0.0	Salmonella spp	ND	33.00	0.0	0.0

### ADDITIONAL INFORMATION

Method: SOP-TECH-016, SOP-TECH-022  
Instrument: qPCR

Sample Prepped 10/31/2019 06:24  
Sample Analyzed 10/31/2019 10:02

Sample Approved 10/31/2019 12:08

## 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	0.2000	Cadmium	ND	0.0050	0.0500	0.2000
Lead	0.1724 ug/g	0.0100	0.0500	0.5000	Mercury	<LLOQ	0.0030	0.0500	0.1000

### ADDITIONAL INFORMATION

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

Sample Prepped 10/30/2019 09:23  
Sample Analyzed 10/30/2019 09:23

Sample Approved 10/30/2019 16:28



### MYCOTOXINS ANALYSIS

UNIT OF MEASUREMENT: Micrograms per Kilogram(ug/kg)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL
Aflatoxin B1	ND	1.000	2.000		Aflatoxin B2	ND	2.000	5.000	
Aflatoxin G1	ND	2.000	5.000		Aflatoxin G2	ND	2.000	5.000	
Total Aflatoxins	ND	10.00	14.00	20.00	Ochratoxin A	ND	1.000	2.000	20.00

**ADDITIONAL INFORMATION**

Method: SOP-TECH-020      Sample Prepped 10/31/2019 10:44      Sample Approved 11/01/2019 08:40  
 Instrument: LC-MS/MS      Sample Analyzed 10/31/2019 11:52

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

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
Vitamin E Acetate	ND	10.00	20.00				

**ADDITIONAL INFORMATION**

Method: SOP-TECH-XX      Sample Prepped 10/30/2019 08:22      Sample Approved 10/30/2019 13:02  
 Instrument:      Sample Analyzed 10/30/2019 08:25

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**



11/05/2019

Swetha Kaul, PhD  
 Chief Scientific Officer

Date