



**Certificate of Analysis**

March 7, 2019

**Sample ID:** FP-19-0287

**Product name:** Plus CBD Oil Decarboxylated Hemp Spray PS80 Free Peppermint

**Batch/Lot#:** 9056317

**Strength:** 1oz 100mg

**Expiration:** 02/21

<u>Physical properties</u>	<u>Result</u>	<u>Method</u>	<u>Analyst</u>
Appearance	Pass	Organoleptic	HP
Color	Pass	Organoleptic	HP
Aroma	Pass	Organoleptic	HP
<b><u>Cannabinoid:</u></b>	<b><u>mg:</u></b>	<b><u>Method:</u></b>	<b><u>Analyst:</u></b>
CBD	100.08	HPLC	HP
CBDV	0.00	HPLC	HP
CBDA	1.60	HPLC	HP
CBG	1.50	HPLC	HP
CBGA	5.22	HPLC	HP
CBC	2.45	HPLC	HP
CBN	0.00	HPLC	HP
Δ <sup>9</sup> -THC	3.46	HPLC	HP
THCA	0.00	HPLC	HP
<b>Total cannabinoids:</b>	<b>114.3 mg</b>		
<b>Sample size:</b>	<b>27 g</b>		
<b>THC by mass:</b>	<b>0.0128 %</b>		

*Kothari*

MAR 07 2019

*Hayley Palmer* 07 Mar 2019  
\_\_\_\_\_  
Analyst Date  
Hayley Palmer, B.S.  
QC Lab Assistant

\_\_\_\_\_  
Reviewed By Date  
Vandana Kothari, M.S., B.Pharm.  
QC Supervisor



# Certificate of Analysis

**CV Sciences, Inc.**

2688 South Rainbow Blvd.  
Las Vegas, NV 89146  
Dalia Chandler

Sample

**1903DBL0045.2147**

Batch FP-19-0287

Lot 9056317

Ordered 3/7/2019

Completed 3/14/2019

Plus CBD Oil Decarb Hemp Spray 100mg 1oz Peppermint PS80 Free EXP: 02/21

## Cannabinoids

<b>86.13</b>	<b>0.32</b>	<b>27</b>
Total CBD (mg/unit)	% Total CBD	Unit weight (g)
Cannabinoid	LOQ %	Mass % Mass mg/g Concentration
CBD	0.06	0.32 3.2
CBDA	0.06	<LOQ <LOQ
d9-THC	0.06	<LOQ <LOQ
THCA-A	0.06	<LOQ <LOQ
d8-THC	0.06	<LOQ <LOQ
THCV	0.06	<LOQ <LOQ
CBDV	0.06	<LOQ <LOQ
CBDVA	0.06	<LOQ <LOQ
CBGA	0.06	<LOQ <LOQ
CBG	0.06	<LOQ <LOQ
CBN	0.06	<LOQ <LOQ
CBC	0.06	<LOQ <LOQ
CBL	0.06	<LOQ <LOQ

## Pesticides/Plant Growth Regulators

Pesticides	Status	Sample (PPB)	LOQ (PPB)
Acequinocyl	PASS	<LOQ	10
Abamectin	PASS	<LOQ	10
Bifenazate	PASS	<LOQ	10
Fenoxycarb	PASS	<LOQ	10
Fludioxonil	PASS	<LOQ	10
Imidacloprid	PASS	<LOQ	10
Myclobutanil	PASS	<LOQ	10
Pyrethrin	PASS	<LOQ	10
Spinosad	PASS	<LOQ	10
Spiromesifen	PASS	<LOQ	10
Spirotetramat	PASS	<LOQ	10
Plant Growth Regulators			
Daminozide	PASS	<LOQ	10

## Microbiology

Quantitative Analysis	Status	Sample	LOQ	Limit
	Pass/Fail	CFU/g	CFU/g	CFU/g
Mold/Mildew/Yeast	PASS	<LOQ	90	10,000
Enterobacteriaceae	PASS	<LOQ	90	1,000
Aerobic Bacteria	PASS	<LOQ	900	100,000
Coliforms	PASS	<LOQ	90	1,000
Qualitative Analysis		Detected or Not-detected		
E. Coli	PASS	Not-detected		
Salmonella	PASS	Not-detected		
Pseudomonas	PASS	Not-detected		

## Heavy Metals

Compound	Status	Sample	LOQ	Limit
	Pass/Fail	PPB	PPB	PPB
Arsenic	PASS	<LOQ	48	2000
Cadmium	PASS	<LOQ	48	820
Mercury	PASS	<LOQ	48	400
Lead	PASS	<LOQ	48	1200

## Residual Solvents

Compound	Status	Limit (PPM)
Propane	PASS	500
Methanol	PASS	500
Isobutane	PASS	500
Ethanol	PASS	500
Isopropanol	PASS	500
Isopentane	PASS	500
n-Butane	PASS	500
n-Hexane	PASS	500
2,2-Dimethylbutane	PASS	500
3-Methylpentane	PASS	500
2-Methylpentane	PASS	500
Cyclohexane	PASS	500
Neopentane	PASS	500
n-Heptane	PASS	500
n-Pentane	PASS	500
Benzene	PASS	500



*Stacy Gardalen*

Stacy Gardalen  
Director

*Kelly Zaugg*

Kelly Zaugg  
Quality Control

The reported result is based on a sample weight with the applicable moisture content for that sample. LOQ = Limit of Quantitation. NA = Not Analyzed. ND = Not Detected. PGR = Plant Growth Regulator. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. This product has been tested by DB Labs, LLC (MMER# 61887736101164525768) using valid testing methodologies and a quality system as required by Nevada state law. Values reported relate only to the product tested. DB Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of DB Labs.



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