



**Certificate of Analysis**  
February 11, 2019

**Sample ID:** FP-19-0141  
**Product name** Plus CBD oil unflavored PS80 free spray  
**Batch/Lot#:** 9021326  
**Strength:** 2 oz 500 mg  
**Expiration** 01/21


<u>Physical properties</u>	<u>Result</u>	<u>Method</u>	<u>Analyst</u>
Appearance	Pass	Organoleptic	OM
Color	Pass	Organoleptic	OM
Aroma	Pass	Organoleptic	OM
<u>Cannabinoid:</u>	<u>mg:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	477.02	HPLC	OM
CBDV	0.00	HPLC	OM
CBDA	0.00	HPLC	OM
CBG	7.60	HPLC	OM
CBGA	0.00	HPLC	OM
CBC	18.89	HPLC	OM
CBN	0.00	HPLC	OM
$\Delta^9$ -THC	8.61	HPLC	OM
THCA	0.00	HPLC	OM

**Total cannabinoids:** 512.1 mg  
**Sample size:** 54 g  
**THC by mass:** 0.0160 %

 11 FEB 2019

Analyst Date

Osvaldo Marinotti, PhD  
Senior Biochemist

 11 FEB 2019

Reviewed By Date

Lisa Tripi, M.S., B.A.  
QA/QC Manager



# Certificate of Analysis

CV Sciences, Inc.

Sample

1902DBL0006.1024

2688 South Rainbow Blvd.

Batch FP-19-0141

Las Vegas NV 89146

Lot 9021326

Dalia Chandler

Ordered 2/4/2019

Completed 2/7/2019

Plus CBD Oil 2oz 500mg Green Hemp Spray Unflavored PS80 Free EXP 01/21

## Cannabinoids

	474.4	0.88	54.0
Total CBD (mg/unit)	% Total CBD		Unit weight (g)
Cannabinoid	LOQ	Mass %	Mass Concentration mg/g
CBD	0.07	0.88	8.79
CBDA	0.07	<LOQ	<LOQ
d9-THC	0.07	<LOQ	<LOQ
THCA-A	0.07	<LOQ	<LOQ
d8-THC	0.07	<LOQ	<LOQ
THCV	0.07	<LOQ	<LOQ
CBDV	0.07	<LOQ	<LOQ
CBDVA	0.07	<LOQ	<LOQ
CBGA	0.07	<LOQ	<LOQ
CBG	0.07	<LOQ	<LOQ
CBN	0.07	<LOQ	<LOQ
CBC	0.07	<LOQ	<LOQ
CBL	0.07	<LOQ	<LOQ

Total CBD = CBD only

## 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

## 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

## 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	106	49	2000
Cadmium	PASS	<LOQ	49	820
Mercury	PASS	<LOQ	49	400
Lead	PASS	<LOQ	49	1200



CV SCIENCES

*Stacy Gardalen*

Stacy Gardalen  
Director

*Glen Marquez*

Glen Marquez  
Quality Control



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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 (IMM# 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.