

Certificate of Analysis
February 11, 2019


Sample ID: FP-19-0178
Product name Plus cbd oil hemp spray peppermint
Batch/Lot#: 9029319
Strength: 2oz 500mg
Expiration: 01/21

<u>Physical properties</u>	<u>Result</u>	<u>Method</u>	<u>Analyst</u>
Appearance	Pass	Organoleptic	VK
Color	Pass	Organoleptic	VK
Aroma	Pass	Organoleptic	VK

<u>Cannabinoid:</u>	<u>mg:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	495.82	HPLC	VK
CBDV	15.05	HPLC	VK
CBDA	10.19	HPLC	VK
CBG	10.73	HPLC	VK
CBGA	12.99	HPLC	VK
CBC	19.43	HPLC	VK
CBN	0.00	HPLC	VK
Δ ⁹ -THC	11.42	HPLC	VK
THCA	0.00	HPLC	VK
Total cannabinoids:	575.6 mg		
Sample size:	54.00 g		
THC by mass:	0.0211 %		


FEB 11 2019

Analyst _____ Date _____
 Vandana Kothari, M.S., B.Pharm
 QC Supervisor


11 FEB 2019

Reviewed By _____ Date _____
 Lisa Tripi, M.S., B.A.
 QA/QC Manager



Certificate of Analysis

CV Sciences, Inc.

2688 South Rainbow Blvd.

Las Vegas NV 89146

Dalia Chandler

Sample

1902DBL0072.1210

Batch FP-19-0178

Lot 9029319

Ordered 2/12/2019

Completed 2/14/2019

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

Cannabinoids

492.31	0.91	54
Total CBD (mg/unit)	% Total CBD	Unit weight (g)
Cannabinoid	LOQ %	Mass % Mass mg/g Concentration
CBD	0.07	0.91 9.1
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

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	69	48	2000
Cadmium	PASS	<LOQ	48	820
Mercury	PASS	<LOQ	48	400
Lead	PASS	<LOQ	48	1200



CV SCIENCES™
A LIFE SCIENCE COMPANY

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 [MME# 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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