

Certificate of Analysis
 February 7, 2019

Sample ID: FP-19-0165
Product name Plus cbd oil hemp spray peppermint
Batch/Lot#: 9032319
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	492.01	HPLC	VK
CBDV	0.00	HPLC	VK
CBDA	8.70	HPLC	VK
CBG	10.12	HPLC	VK
CBGA	11.82	HPLC	VK
CBC	17.79	HPLC	VK
CBN	0.00	HPLC	VK
Δ ⁹ -THC	12.08	HPLC	VK
THCA	0.00	HPLC	VK

Sample size: 54 g
THC by mass: 0.0224 %

VK
 FEB 07 2019

LT 07 FEB 2019

Analyst _____ Date _____

Reviewed By _____ Date _____

Vandana Kothari, M.S., B.Pharm
 QC Supervisor

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

1902DBL0039.1125

Batch FP-19-0165
Lot 9032319
Ordered 2/6/2019

Completed 2/10/2019

Plus CBD Oil 2oz 500mg Peppermint Hemp Spray PS80 Free Exp: 01-2021

Cannabinoids				
461.81	0.86	54		
Total CBD (mg/unit)	% Total CBD	Unit weight (g)		
Cannabinoid	LOQ %	Mass %	Mass mg/g	Concentration
CBD	0.03	0.86	8.6	
CBDa	0.03	0.04	0.4	
d9-THC	0.03	0.03	0.3	
THCA-A	0.03	<LOQ	<LOQ	
d8-THC	0.03	<LOQ	<LOQ	
THCV	0.03	<LOQ	<LOQ	
CBDV	0.03	<LOQ	<LOQ	
CBDVA	0.03	<LOQ	<LOQ	
CBGA	0.03	<LOQ	<LOQ	
CBG	0.03	<LOQ	<LOQ	
CBN	0.03	<LOQ	<LOQ	
CBC	0.03	<LOQ	<LOQ	
CBL	0.03	<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	80	10,000
Enterobacteriaceae	PASS	<LOQ	80	1,000
Aerobic Bacteria	PASS	<LOQ	800	100,000
Coliforms	PASS	<LOQ	80	1,000
Qualitative Analysis		Detected or Not-detected		
E. Coli	PASS	Not-detected		
Salmonella	PASS	Not-detected		
Pseudomonas	PASS	Not-detected		

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

Heavy Metals				
Compound	Status	Sample	LOQ	Limit
	Pass/Fail	PPB	PPB	PPB
Arsenic	PASS	92	45	2000
Cadmium	PASS	<LOQ	45	820
Mercury	PASS	<LOQ	45	400
Lead	PASS	<LOQ	45	1200



Stacy Gardalen
Stacy Gardalen
Director

Kelly Zaugg
Kelly Zaugg
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 (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.