


Certificate of Analysis  
September 17, 2018

**Sample ID:** FP-18-0962  
**Product name** Plus cbd oil hemp spray peppermint  
**Batch/Lot#:** 8229317  
**Strength:** 1oz 100mg  
**Expiration:** 08/20

<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>
<b>CBD</b>	<b>109.75</b>	HPLC	VK
CBDV	3.31	HPLC	VK
CBDA	4.15	HPLC	VK
CBG	1.42	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	6.87	HPLC	VK
CBN	0.00	HPLC	VK
Δ <sup>9</sup> -THC	2.81	HPLC	VK
THCA	0.00	HPLC	VK
<b>Total cannabinoids:</b>	<b>128.3 mg</b>		
<b>Sample size:</b>	<b>27.00 g</b>		
<b>THC by mass:</b>	<b>0.0104 %</b>		

  
 SEP 17 2018

  
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Analyst \_\_\_\_\_ Date \_\_\_\_\_  
 Vandana Kothari, M.S., B.Pharm.  
 Analytical Chemist

Reviewed By \_\_\_\_\_ Date \_\_\_\_\_  
 Dalia Chandler, M.S., B.S.  
 QA/QC Manager



# Certificate of Analysis

CV Sciences, Inc.

2688 South Rainbow Blvd. Las Vegas

Las Vegas NV 89146

Dalia Chandler

Sample

1809DBL0088.4886

Batch FP-18-0962

Lot 8229317

Ordered 9/17/18

Completed 9/20/18

Plus CBD Oil 1oz 100mg Peppermint Hemp Spray PS80 Free EXP 08/20

Cannabinoids				
	<b>98</b>	<b>0.36</b>	<b>27</b>	
	Total CBD (mg/unit)	% Total CBD	Unit weight (g)	
Cannabinoid	LOQ %	Mass %	Mass mg/g	Concentration
CBD	0.07	0.36	3.64	
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 = CBDa + CBD

Pesticides/Plant Growth Regulators				
Pesticides	Status	Sample (PPB)	LOQ (PPB)	Limit (PPB)
Acequinocyl	PASS	<LOQ	10	4000
Abamectin	PASS	<LOQ	10	50
Bifenazate	PASS	<LOQ	10	15000
Fenoxycarb	PASS	<LOQ	10	
Fludioxonil	PASS	<LOQ	10	20
Imidacloprid	PASS	<LOQ	10	50
Myclobutanil	PASS	<LOQ	10	4000
Pyrethrin	PASS	<LOQ	10	1000
Spinosad	PASS	<LOQ	10	10000
Spiromesifen	PASS	<LOQ	10	
Spirotetramat	PASS	<LOQ	10	10000
Plant Growth Regulators				
Daminozide	PASS	<LOQ	10	50

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	100	10,000
Enterobacteriaceae	PASS	<LOQ	100	1,000
Aerobic Bacteria	PASS	<LOQ	1000	100,000
Coliforms	PASS	<LOQ	100	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	50	2000
Cadmium	PASS	<LOQ	50	820
Mercury	PASS	<LOQ	50	400
Lead	PASS	<LOQ	50	1200

*Stacy Gardalen*

Stacy Gardalen  
Director

*Kelly Grogg*

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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