

Certificate of Analysis
September 17, 2018

Sample ID: FP-18-0963
Product name Plus cbd oil hemp spray unflavored
Batch/Lot#: 8227318
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>
CBD	96.97	HPLC	VK
CBDV	3.05	HPLC	VK
CBDA	4.74	HPLC	VK
CBG	1.46	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	6.44	HPLC	VK
CBN	0.00	HPLC	VK
Δ ⁹ -THC	2.88	HPLC	VK
THCA	0.00	HPLC	VK
Total cannabinoids:	115.5 mg		
Sample size:	27.0 g		
THC by mass:	0.0107 %		

Vandana
SEP 17 2018

DA
SEP 18 2018

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

1809DBL0088.4887

Batch FP-18-0963

Lot 8227318

Ordered 9/17/18

Completed 9/20/18

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

Cannabinoids

92	0.34	27
Total CBD (mg/unit)	% Total CBD	Unit weight (g)
Cannabinoid	LOQ	Mass
	%	mg/g
	Mass	Concentration
	%	mg/g
CBD	0.08	0.34
CBDA	0.08	<LOQ
d9-THC	0.08	<LOQ
THCA-A	0.08	<LOQ
d8-THC	0.08	<LOQ
THCV	0.08	<LOQ
CBDV	0.08	<LOQ
CBDVA	0.08	<LOQ
CBGA	0.08	<LOQ
CBG	0.08	<LOQ
CBN	0.08	<LOQ
CBC	0.08	<LOQ
CBL	0.08	<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	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	50	2000
Cadmium	PASS	<LOQ	50	820
Mercury	PASS	<LOQ	50	400
Lead	PASS	<LOQ	50	1200

Stacy Gardalen

Stacy Gardalen
Director

Kelly Gage

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.