

Certificate of Analysis
 October 22, 2018

Sample ID: FP-18-1069
Product name Plus cbd oil 1g gold hemp concentrate applicator (click pen)
Batch/Lot#: 180918BGB-29018A
Strength: 12mg 50mg
Expiration: 09/20

<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	13.05	HPLC	VK
CBDV	0.30	HPLC	VK
CBDA	0.23	HPLC	VK
CBG	0.17	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	0.77	HPLC	VK
CBN	0.09	HPLC	VK
Δ ⁹ -THC	0.35	HPLC	VK
THCA	0.00	HPLC	VK
Total cannabinoids:	15.0 mg		
Sample size:	0.05 g		
THC by mass:	0.6939 %		

VK
 OCT 22 2018

DM
 OCT 29 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, NV 89146

Dalia Chandler

Sample

1810DBL0155.5604

Batch FP-18-1069

Lot 180918BGB-29018A

Ordered Mon, 22 Oct 2018 17:03:

Completed 10/25/2018

Plus CBD Oil 1g Gold Hemp Concentrate Applicator Click Pen 12mg in 50mg EXP 09/20

Cannabinoids

	11.75	23.49	0.05
Total CBD (mg/unit)	% Total CBD		Unit weight (g)
Cannabinoid	LOQ	Mass	Mass Concentration
	%	%	mg/g
CBD	0.05	23.5	234.9
CBDA	0.05	0.2	1.9
d9-THC	0.05	0.3	3.1
THCA-A	0.05	<LOQ	<LOQ
d8-THC	0.05	<LOQ	<LOQ
THCV	0.05	<LOQ	<LOQ
CBDV	0.05	0.4	4.3
CBDVA	0.05	<LOQ	<LOQ
CBGA	0.05	<LOQ	<LOQ
CBG	0.05	0.1	1.0
CBN	0.05	<LOQ	<LOQ
CBC	0.05	0.9	9.5
CBL	0.05	<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	100	1,000
Enterobacteriaceae	PASS	<LOQ	10	100
Aerobic Bacteria	PASS	<LOQ	100	10,000
Coliforms	PASS	<LOQ	10	100
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	1116	46	2000
Cadmium	PASS	<LOQ	46	820
Mercury	PASS	<LOQ	46	400
Lead	PASS	234	46	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 (NME# 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.