

Certificate of Analysis

May 31, 2018

Sample ID: FP-18-0515

Product name Plus cbd oil gold drops peppermint

Batch/Lot#: 8142320

Strength: 1oz 250mg

<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	245.75	HPLC	VK
CBDV	7.86	HPLC	VK
CBDA	5.02	HPLC	VK
CBG	3.76	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	12.76	HPLC	VK
CBN	1.50	HPLC	VK
Δ^9 -THC	6.54	HPLC	VK
THCA	0.00	HPLC	VK

Total cannabinoids: **283.2 mg**

Sample size: **27 g**

THC by mass: *VK* **0.0242 %**

MAY 31 2018

MAY 31 2018

Analyst _____ Date _____

Reviewed By _____ Date _____

Vandana Kothari, M.S., B.Pharm.
Analytical Chemist

Dalia Chandler, M.S., B.S.
QA/QC Manager



Certificate of Analysis

CV Sciences

2688 South Rainbow Blvd.
Las Vegas, NV 89146

Sample

1805DBL0180.3289

Batch FP-18-0515

Lot 8142320

Ordered 5/31/2018

Completed 6/5/2018

Plus CBD Oil 1oz 250mg Peppermint Gold Drops PS80 Free

Cannabinoids

233.2	0.86	27
Total CBD (mg/unit)	% Total CBD	Unit Weight (g)
Cannabinoid	Mass %	Mass mg/g
CBD	0.86	8.64
CBDA	ND	ND
d9-THC	ND	ND
THCA-A	ND	ND
d8-THC	ND	ND
THCV	ND	ND
CBDV	ND	ND
CBDVA	ND	ND
CBGA	ND	ND
CBG	ND	ND
CBN	ND	ND
CBC	ND	ND
CBL	ND	ND

Microbiology

Compound	Result	LOQ
	CFU/g	CFU/g
Mold/Mildew/Yeast	ND	100
Aerobic Bacteria	ND	1000
Coliforms	ND	100
Pseudomonas	ND	ND
E. Coli	ND	ND
Salmonella	ND	ND

*TNC = Too Numerous to Count, **ND = Not Detected

Heavy Metals

Compound	Result	LOQ
	PPM	PPM
Arsenic	ND	0.04
Cadmium	ND	0.04
Mercury	ND	0.04
Lead	0.06	0.04

Pesticides/PGR*

Compound	Result	LOQ
	PPM	PPM
Acequinocyl	ND	0.50
Abamectin	ND	0.20
Bifenazate	ND	0.10
Daminozide	ND	0.10
Fenoxycarb	ND	0.10
Fludioxonil	ND	0.20
Imidacloprid	ND	0.05
Myclobutanil	ND	0.10
Pyrethrin	ND	0.10
Spinosad	ND	0.10
Spiromesifen	ND	0.10
Spirotetramat	ND	0.05

Residual Solvents

Compound	Result	Spec Limit
	PPM	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

Pseudomonas is outside of our ISO/IEC 17025:2005 accreditation

Stacy Gardalen

Director

Glen Marquez

Quality Control

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Certificate of Analysis

April 19, 2018

Sample ID: FP-18-0353

Product name Plus CBD gold softgel

Batch/Lot#: RD320A

Strength: 15 mg 60 ct

<u>Physical properties</u>	<u>Result</u>	<u>Method</u>	<u>Analyst</u>
Appearance	Pass	Organoleptic	OM
Color	Pass	Organoleptic	OM
Aroma	Pass	Organoleptic	OM
<u>Cannabinoid:</u>	<u>mg:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	16.96	HPLC	OM
CBDV	0.49	HPLC	OM
CBDA	0.00	HPLC	OM
CBG	0.26	HPLC	OM
CBGA	0.33	HPLC	OM
CBC	0.78	HPLC	OM
CBN	0.09	HPLC	OM
Δ^9 -THC	0.43	HPLC	OM
THCA	0.46	HPLC	OM

Total cannabinoids: 19.8 mg

Sample size: 1 softgel

THC by mass: 0.1152 %

Osvaldo Marinotti 19 APR 2018

Analyst

Date

DA
APR 20 2018

Reviewed By

Date

Osvaldo Marinotti, PhD
Senior Biochemist

Dalia Chandler, M.S., B.S.
QA/QC Manager



Certificate of Analysis

CV Sciences

2688 South Rainbow Blvd.

Las Vegas, NV 89146

Sample

1804DBL0107.2466

Batch FP-18-0353

Lot RD320A

Ordered 4/19/2018

Completed 4/27/2018

PLUS CBD Oil 15mg 60ct Gold Softgels

Cannabinoids

	15.4	4.09	0.376
Total CBD (mg/unit)		% Total CBD	Unit Weight (g)
Cannabinoid	Mass %	Mass mg/g	
CBD	4.09	40.9	
CBDa	ND	ND	
d9-THC	0.12	1.2	
THCA-A	ND	ND	
d8-THC	ND	ND	
THCV	ND	ND	
CBDV	0.06	0.6	
CBDVA	ND	ND	
CBGA	ND	ND	
CBG	ND	ND	
CBN	ND	ND	
CBC	0.16	1.6	
CBL	ND	ND	

Pesticides/PGR*

Compound	Result	LOQ
	PPM	PPM
Acequinocyl	ND	0.50
Abamectin	ND	0.20
Bifenazate	ND	0.10
Daminozide	ND	0.10
Fenoxycarb	ND	0.10
Fludioxonil	ND	0.20
Imidacloprid	ND	0.05
Myclobutanil	ND	0.10
Pyrethrin	ND	0.10
Spinosad	ND	0.10
Spiromesifen	ND	0.10
Spirotetramat	ND	0.05

Microbiology

Compound	Result	LOQ
	CFU/g	CFU/g
Mold/Mildew/Yeast	ND	90
Aerobic Bacteria	ND	900
Coliforms	ND	90
Pseudomonas	ND	ND
E. Coli	ND	ND
Salmonella	ND	ND

*TNC = Too Numerous to Count, **ND = Not Detected

Heavy Metals

Compound	Result	LOQ
	PPM	PPM
Arsenic	0.14	0.03
Cadmium	ND	0.03
Mercury	ND	0.03
Lead	ND	0.03

Residual Solvents

Compound	Result	Spec Limit
	PPM	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

Pseudomonas is outside of our ISO/IEC 17025:2015 accreditation

Stacy Gardalen

Director

Glen Marquez

Quality Control

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Certificate of Analysis

March 21, 2018

Sample ID: FP-18-0252

Product name Plus CBD gold oil drops peppermint

Batch/Lot#: 8073322

Strength: 2 oz 750 mg

<u>Physical properties</u>	<u>Result</u>	<u>Method</u>	<u>Analyst</u>
Appearance	Pass	Organoleptic	OM
Color	Pass	Organoleptic	OM
Aroma	Pass	Organoleptic	OM
<u>Cannabinoid:</u>	<u>mg:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	725.50	HPLC	OM
CBDV	16.80	HPLC	OM
CBDA	25.31	HPLC	OM
CBG	12.18	HPLC	OM
CBGA	0.00	HPLC	OM
CBC	35.39	HPLC	OM
CBN	5.87	HPLC	OM
Δ^9 -THC	13.50	HPLC	OM
THCA	0.00	HPLC	OM

Total cannabinoids: 834.6 mg

Sample size: 54 g

THC by mass: 0.0250 %

Osvaldo Marinotti 21 MAR 2018

Analyst

Date

DM
MAR 21 2018

Reviewed By

Date

Osvaldo Marinotti, PhD
Senior Biochemist

Dalia Chandler, M.S., B.S.
QA/QC Manager



Certificate of Analysis

CV Sciences

2688 South Rainbow Blvd.
Las Vegas, NV 89146

Sample

1803DBL0097.1904

Batch FP-18-0252

Lot 8073322

Ordered 2/21/2018

Completed 2/27/2018

Plus CBD Oil Gold Drops 2oz 750mg Peppermint

Cannabinoids

705.1	1.31	54
Total CBD (mg/unit)	% Total CBD	Unit Weight (g)
Cannabinoid	Mass %	Mass mg/g
CBD	1.31	13.1
CBDa	ND	ND
d9-THC	ND	ND
THCA-A	ND	ND
d8-THC	ND	ND
THCV	ND	ND
CBDV	ND	ND
CBDVA	ND	ND
CBGA	0.06	0.6
CBG	ND	ND
CBN	ND	ND
CBC	ND	ND
CBL	ND	ND

Total CBD = CBDa + CBD

Pesticides/PGR*

Compound	Result	LOQ
	PPM	PPM
Acequinocyl	ND	0.50
Abamectin	ND	0.20
Bifenazate	ND	0.10
Daminozide	ND	0.10
Fenoxycarb	ND	0.10
Fludioxonil	ND	0.20
Imidacloprid	ND	0.05
Myclobutanil	ND	0.10
Pyrethrin	ND	0.10
Spinosad	ND	0.10
Spiromesifen	ND	0.10
Spirotetramat	ND	0.05

Residual Solvents

Compound	Result	Spec Limit
	PPM	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

Pseudomonas is outside of our ISO/IEC 17025:2015 accreditation

Microbiology

Compound	Result	LOQ
	CFU/g	CFU/g
Mold/Mildew/Yeast	ND	100
Aerobic Bacteria	ND	1000
Coliforms	ND	10
Pseudomonas	ND	ND
E. Coli	ND	ND
Salmonella	ND	ND

*TNC = Too Numerous to Count, **ND = Not Detected

Heavy Metals

Compound	Result	LOQ
	PPM	PPM
Arsenic	ND	0.04
Cadmium	ND	0.04
Mercury	ND	0.04
Lead	ND	0.04

Stacy Gardalen

Director

Glen Marquez

Quality Control

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Certificate of Analysis
July 9, 2018

Sample ID: FP-18-0631
Product name Plus cbd oil extra strength balm
Batch/Lot#: 0115018
Strength: 100mg 37g
Expiration: 05/20

<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	104.38	HPLC	VK
CBDV	2.75	HPLC	VK
CBDA	3.55	HPLC	VK
CBG	1.53	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	5.05	HPLC	VK
CBN	0.89	HPLC	VK
Δ^9 -THC	3.38	HPLC	VK
THCA	2.43	HPLC	VK
Total cannabinoids:	124.0 mg		
Sample size:	37 g		
THC by mass:	0.0091 %		


JUL 09 2018


JUL 10 2018

Analyst _____ Date _____

Reviewed By _____ Date _____

Vandana Kothari, M.S., B.Pharm.
Analytical Chemist

Dalia Chandler, M.S., B.S.
QA/QC Manager



Certificate of Analysis

CV Sciences

2688 South Rainbow Blvd

Las Vegas, NV 89146

Sample

1806DBL0114.3709

Batch FP-18-0631

Lot 115018

Ordered 6/25/2018

Completed 6/28/2018

Plus CBD Oil Extra Strength Balm 100mg EXP 05/20

Cannabinoids

104.2	0.28	37
Total CBD (mg/unit)	% Total CBD	Unit Weight (g)
Cannabinoid	Mass %	Mass mg/g
CBD	0.28	2.82
CBDa	ND	ND
d9-THC	ND	ND
THCA-A	ND	ND
d8-THC	ND	ND
THCV	ND	ND
CBDV	ND	ND
CBDVA	ND	ND
CBGA	ND	ND
CBG	ND	ND
CBN	ND	ND
CBC	ND	ND
CBL	ND	ND

Pesticides/PGR*

Compound	Result	LOQ
	PPM	PPM
Acequinocyl	ND	0.50
Abamectin	ND	0.20
Bifenazate	ND	0.10
Daminozide	ND	0.10
Fenoxycarb	ND	0.10
Fludioxonil	ND	0.20
Imidacloprid	ND	0.05
Myclobutanil	ND	0.10
Pyrethrin	ND	0.10
Spinosad	ND	0.10
Spiromesifen	ND	0.10
Spirotetramat	ND	0.05

Microbiology

Compound	Result	LOQ
	CFU/g	CFU/g
Mold/Mildew/Yeast	ND	10
Aerobic Bacteria	ND	10
Coliforms	ND	10
Pseudomonas	ND	ND
E. Coli	ND	ND
Salmonella	ND	ND

*TNC = Too Numerous to Count, **ND = Not Detected

Heavy Metals

Compound	Result	LOQ
	PPM	PPM
Arsenic	ND	0.12
Cadmium	ND	0.12
Mercury	ND	0.05
Lead	ND	0.12

Residual Solvents

Compound	Result	Spec Limit
	PPM	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

Pseudomonas is outside of our ISO/IEC 17025:2005 accreditation

Stacy Gardalen

Director

Glen Marquez

Quality Control

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