

Certificate of Analysis
 February 7, 2018

Sample ID: FP-18-0069
Product name Capsules WL
Batch/Lot#: QL169B
Strength: 10mg 30ct

<u>Physical properties</u>	<u>Result</u>	<u>Method</u>	<u>Analyst</u>
Appearance	<u>Passes</u>	Organoleptic	VK
Color	<u>Passes</u>	Organoleptic	VK
Aroma	<u>Passes</u>	Organoleptic	VK

<u>Cannabinoid:</u>	<u>mg:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	9.46	HPLC	VK
CBDV	0.23	HPLC	VK
CBDA	0.15	HPLC	VK
CBG	0.16	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	0.39	HPLC	VK
CBN	0.06	HPLC	VK
Δ^9 -THC	0.26	HPLC	VK
THCA	0.00	HPLC	VK

Total cannabinoids: 10.7 mg
Sample size: 1 capsule
THC by mass: *VK* 0.0591 %

FEB 07 2018

DM
FEB 07 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

1802DBL0037.0906

Batch FP-18-0069

Lot QJ169B

Ordered 2/7/2018

Completed 2/14/2018

Capsules 10mg 30ct WL

Cannabinoids			
	9.12	2.07	0.442
	Total CBD (mg/unit)	% Total CBD	Unit Weight (g)
Cannabinoid	Mass %	Mass mg/g	
CBD	2.07	20.66	
CBDa	ND	ND	
d9-THC	ND	ND	
THCA-A	ND	ND	
d8-THC	ND	ND	
THCV	ND	ND	
CBDV	0.02	0.18	
CBDVA	ND	ND	
CBGA	ND	ND	
CBG	0.02	0.15	
CBN	ND	ND	
CBC	0.08	0.76	
CBL	ND	ND	

Total CBD = CBDa + CBD

Pesticides/PGR*		
Compound	Result	LOQ
	PPM	PPM
Acequinocyl	ND	0.01
Abamectin	ND	0.01
Bifenazate	ND	0.01
Daminozide	ND	0.01
Fenoxycarb	ND	0.01
Fludioxonil	ND	0.01
Imidacloprid	ND	0.01
Myclobutanil	ND	0.01
Pyrethrin	ND	0.01
Spinosad	ND	0.01
Spiromesifen	ND	0.01
Spirotetramat	ND	0.01

Microbiology		
Compound	Result	LOQ
	CFU/g	CFU/g
Mold/Mildew/Yeast	ND	80
Aerobic Bacteria	ND	1000
Coliforms	ND	80
Pseudomonas	ND	ND
E. Coli	ND	ND
Salmonella	ND	ND

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

Residual Solvents		
Compound	Result	LOQ
	PPM	PPM
Propane	ND	52
Methanol	ND	52
Isobutane	ND	52
Ethanol	ND	52
Isopropanol	ND	52
Isopentane	ND	52
n-Butane	ND	52
n-Hexane	ND	52
2,2-Dimethylbutane	ND	52
3-Methylpentane	ND	52
2-Methylpentane	ND	52
Cyclohexane	ND	52
Neopentane	ND	52
n-Heptane	ND	52
n-Pentane	ND	52
Benzene	ND	52

Heavy Metals		
Compound	Result	LOQ
	PPM	PPM
Arsenic	0.21	0.02
Cadmium	ND	0.02
Mercury	ND	0.02
Lead	0.07	0.02

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

Stacy Gardalen

Glen Marquez



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Las Vegas, NV 89103
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Certificate of Analysis

February 7, 2018

Sample ID: FP-18-0070
Product name Pro Plus cbd oil capsules
Batch/Lot#: QL170A
Strength: 25mg 30ct

<u>Physical properties</u>	<u>Result</u>	<u>Method</u>	<u>Analyst</u>
Appearance	<u>Passes</u>	Organoleptic	VK
Color	<u>Passes</u>	Organoleptic	VK
Aroma	<u>Passes</u>	Organoleptic	VK
<u>Cannabinoid:</u>	<u>mg:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	24.91	HPLC	VK
CBDV	0.61	HPLC	VK
CBDA	0.79	HPLC	VK
CBG	0.61	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	1.57	HPLC	VK
CBN	0.00	HPLC	VK
Δ ⁹ -THC	0.78	HPLC	VK
THCA	0.00	HPLC	VK

Total cannabinoids: **29.3 mg**
Sample size: **1 Capsule**
THC by mass: **0.1276 %**

FFB 07 2018

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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

1802DBL0037.0907

Batch FP-18-0070

Lot QL170A

Ordered 2/7/2018

Completed 2/14/2018

Pro plus cbd oil capsules 25mg 30ct

Cannabinoids

	24.3	4.32	0.564
Total CBD (mg/unit)		% Total CBD	Unit Weight (g)
Cannabinoid	Mass	Mass	
	%	mg/g	
CBD	4.27	42.71	
CBDa	0.05	0.48	
d9-THC	0.11	1.12	
THCA-A	ND	ND	
d8-THC	ND	ND	
THCV	ND	ND	
CBDV	0.04	0.37	
CBDVA	0.02	0.20	
CBGA	ND	ND	
CBG	0.08	0.81	
CBN	ND	ND	
CBC	0.27	2.70	
CBL	ND	ND	

Total CBD = CBDa + CBD

Pesticides/PGR*

Compound	Result	LOQ
	PPM	PPM
Acequinocyl	ND	0.01
Abamectin	ND	0.01
Bifenazate	ND	0.01
Daminozide	ND	0.01
Fenoxycarb	ND	0.01
Fludioxonil	ND	0.01
Imidacloprid	ND	0.01
Myclobutanil	ND	0.01
Pyrethrin	ND	0.01
Spinosad	ND	0.01
Spiromesifen	ND	0.01
Spirotetramat	ND	0.01

Microbiology

Compound	Result	LOQ
	CFU/g	CFU/g
Mold/Mildew/Yeast	ND	90
Aerobic Bacteria	ND	1000
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	0.18	0.02
Cadmium	ND	0.02
Mercury	ND	0.02
Lead	0.11	0.02

Residual Solvents

Compound	Result	LOQ
	PPM	PPM
Propane	ND	49
Methanol	ND	49
Isobutane	ND	49
Ethanol	ND	49
Isopropanol	ND	49
Isopentane	ND	49
n-Butane	ND	49
n-Hexane	ND	49
2,2-Dimethylbutane	ND	49
3-Methylpentane	ND	49
2-Methylpentane	ND	49
Cyclohexane	ND	49
Neopentane	ND	49
n-Heptane	ND	49
n-Pentane	ND	49
Benzene	ND	49

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

Stacy Gardalen
Director

Glen Marquez
Quality Control

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Certificate of Analysis
 January 25, 2018

Sample ID: FP-18-0035
Product name Pro Plus cbd oil gold drops unflavored
Batch/Lot#: 8004348
Strength: 1oz 500mg

<u>Physical properties</u>	<u>Result</u>	<u>Method</u>	<u>Analyst</u>
Appearance	<u>Pass</u>	Organoleptic	VK
Color	<u>Pass</u>	Organoleptic	VK
Aroma	<u>Pass</u>	Organoleptic	VK
<u>Cannabinoid:</u>	<u>mg:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	477.57	HPLC	VK
CBDV	12.92	HPLC	VK
CBDA	9.33	HPLC	VK
CBG	7.58	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	19.11	HPLC	VK
CBN	0.00	HPLC	VK
Δ^9 -THC	12.88	HPLC	VK
THCA	0.00	HPLC	VK

Total cannabinoids: 539.4 mg
Sample size: 27 g
THC by mass:  0.0477 %

JAN 25 2018


JAN 26 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

1801DBL0121.0526

Batch FP-18-0035

Lot 8004348

Ordered 1/24/2018

Completed 1/31/2018

Pro Plus cbd oil 1oz 500mg gold drops unflavored

Cannabinoids			
	540	2.0	27
Total CBD (mg/unit)	% Total CBD		Unit Weight (g)
Cannabinoid	Mass %	Mass mg/g	
CBD	2.0	20	
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	

Total CBD = CBDA + CBD

Pesticides/PGR*		
Compound	Result	LOQ
	PPM	PPM
Acequinocyl	ND	0.01
Abamectin	ND	0.01
Bifenazate	ND	0.01
Daminozide	ND	0.01
Fenoxycarb	ND	0.01
Fludioxonil	ND	0.01
Imidacloprid	ND	0.01
Myclobutanil	ND	0.01
Pyrethrin	ND	0.01
Spinosad	ND	0.01
Spiromesifen	ND	0.01
Spirotetramat	ND	0.01

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

Residual Solvents		
Compound	Result	LOQ
	PPM	PPM
Propane	ND	300
Methanol	ND	300
Isobutane	ND	300
Ethanol	ND	300
Isopropanol	ND	300
Isopentane	ND	300
n-Butane	ND	300
n-Hexane	ND	300
2,2-Dimethylbutane	ND	300
3-Methylpentane	ND	300
2-Methylpentane	ND	300
Cyclohexane	ND	300
Neopentane	ND	300
n-Heptane	ND	300
n-Pentane	ND	300
Benzene	ND	300

Heavy Metals		
Compound	Result	LOQ
	PPM	PPM
Arsenic	ND	0.23
Cadmium	ND	0.23
Mercury	ND	0.23
Lead	ND	0.23

Stacy Gardalen

Stacy Gardalen
Director

Glen Marquez

Glen Marquez
Quality Control

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Certificate of Analysis

February 7, 2018

Sample ID: FP-18-0072

Product Name: Plus cbd oil gold applicator 10g

Batch/Lot#: 171115AGB 03318

<u>Physical properties</u>	<u>Result</u>	<u>Method</u>	<u>Analyst</u>
Appearance	<u>Passes</u>	Organoleptic	VK
Color	<u>Passes</u>	Organoleptic	VK
Aroma	<u>Passes</u>	Organoleptic	VK

<u>Cannabinoid:</u>	<u>% wt:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	24.77	HPLC	VK
CBDV	0.61	HPLC	VK
CBDA	0.91	HPLC	VK
CBG	0.43	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	1.04	HPLC	VK
CBN	0.17	HPLC	VK
Δ^9 -THC	0.68	HPLC	VK
THCA	0.00	HPLC	VK

Potential CBD% **25.7**
Total cannabinoids: **28.60**


FFB 07 2018


FEB 07 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

1802DBL0037.0908

Batch FP-18-0072

Lot 171115AGB-03318

Ordered 2/7/2018

Completed 2/14/2018

Plus cbd oil gold oil applicator 10g

Cannabinoids

23.8		
% Total CBD		
Cannabinoid	Mass %	Mass mg/g
CBD	23.56	235.56
CBDA	0.22	2.19
d9-THC	ND	ND
THCA-A	ND	ND
d8-THC	ND	ND
THCV	ND	ND
CBDV	0.37	3.72
CBDVA	0.17	1.66
CBGA	ND	ND
CBG	0.17	1.73
CBN	ND	ND
CBC	0.91	9.12
CBL	ND	ND

Total CBD = CBDA + CBD

Pesticides/PGR*

Compound	Result	LOQ
	PPM	PPM
Acequinocyl	ND	0.01
Abamectin	ND	0.01
Bifenazate	ND	0.01
Daminozide	ND	0.01
Fenoxycarb	ND	0.01
Fludioxonil	ND	0.01
Imidacloprid	ND	0.01
Myclobutanil	ND	0.01
Pyrethrin	ND	0.01
Spinosad	ND	0.01
Spiromesifen	ND	0.01
Spirotetramat	ND	0.01

Residual Solvents

Compound	Result	LOQ
	PPM	PPM
Propane	ND	52
Methanol	ND	52
Isobutane	ND	52
Ethanol	ND	52
Isopropanol	ND	52
Isopentane	ND	52
n-Butane	ND	52
n-Hexane	ND	52
2,2-Dimethylbutane	ND	52
3-Methylpentane	ND	52
2-Methylpentane	ND	52
Cyclohexane	ND	52
Neopentane	ND	52
n-Heptane	ND	52
n-Pentane	ND	52
Benzene	ND	52

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	100
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	0.79	0.05
Cadmium	ND	0.05
Mercury	ND	0.05
Lead	ND	0.05

Stacy Gardalen
Director

Glen Marquez
Quality Control

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Certificate of Analysis
February 7, 2018

Sample ID: FP-18-0074

Product Name: Plus cbd oil gold applicator 10g

Batch/Lot#: 160811GB 03318

<u>Physical properties</u>	<u>Result</u>	<u>Method</u>	<u>Analyst</u>
Appearance	<u>Passes</u>	Organoleptic	VK
Color	<u>Passes</u>	Organoleptic	VK
Aroma	<u>Passes</u>	Organoleptic	VK
<u>Cannabinoid:</u>	<u>% wt:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	24.93	HPLC	VK
CBDV	0.70	HPLC	VK
CBDA	0.60	HPLC	VK
CBG	0.36	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	1.15	HPLC	VK
CBN	0.19	HPLC	VK
Δ ⁹ -THC	0.49	HPLC	VK
THCA	0.00	HPLC	VK

Potential CBD% **25.5**

Total cannabinoids: **28.43**


FEB 07 2018


FEB 07 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

2688 South Rainbow Blvd.
Las Vegas, NV 89146

Sample

1802DBL0037.0910

Batch FP-18-0074

Lot 160811gb 03318

Ordered 2/7/2018

Completed 2/14/2018

Plus cbd oil 10g gold applicator

Cannabinoids

25.02

% Total CBD

Cannnabinoid	Mass %	Mass mg/g
CBD	25.02	250.2
CBDa	ND	ND
d9-THC	ND	ND
THCA-A	ND	ND
d8-THC	ND	ND
THCV	ND	ND
CBDV	0.55	5.47
CBDVA	0.24	2.42
CBGA	ND	ND
CBG	0.16	1.58
CBN	ND	ND
CBC	1.18	11.78
CBL	ND	ND

Total CBD = CBDa + CBD

Pesticides/PGR*

Compound	Result	LOQ
Acequinocyl	PPM	PPM
Abamectin	ND	0.01
Bifenazate	ND	0.01
Daminozide	ND	0.01
Fenoxycarb	ND	0.01
Fludioxonil	ND	0.01
Imidacloprid	ND	0.01
Myclobutanil	ND	0.01
Pyrethrin	ND	0.01
Spinosad	ND	0.01
Spiromesifen	ND	0.01
Spirotetramat	ND	0.01

Microbiology

Compound	Result	LOQ
Mold/Mildew/Yeast	CFU/g	CFU/g
Aerobic Bacteria	ND	60
Coliforms	ND	6
Pseudomonas	ND	ND
E. Coli	ND	ND
Salmonella	ND	ND

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

Heavy Metals

Compound	Result	LOQ
Arsenic	PPM	PPM
Cadmium	0.48	0.05
Mercury	ND	0.05
Lead	ND	0.05

Residual Solvents

Compound	Result	LOQ
Propane	PPM	PPM
Methanol	ND	51
Isobutane	ND	51
Ethanol	ND	51
Isopropanol	ND	51
Isopentane	ND	51
n-Butane	ND	51
n-Hexane	ND	51
2,2-Dimethylbutane	ND	51
3-Methylpentane	ND	51
2-Methylpentane	ND	51
Cyclohexane	ND	51
Neopentane	ND	51
n-Heptane	ND	51
n-Pentane	ND	51
Benzene	ND	51

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

Stacy Gardalen
Director

Glen Marquez
Quality Control

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