



**Certificate of Analysis**  
October 5, 2017

**Sample ID:** FP-17-0857  
**Product name** Plus cbd oil gold softgels  
**Batch/Lot#:** UC170450-5  
**Strength:** 15mg 30ct

<u>Cannabinoid:</u>	<u>mg:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	14.30	HPLC	VK
CBDV	0.33	HPLC	VK
CBDA	0.34	HPLC	VK
CBG	0.11	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	0.00	HPLC	VK
CBN	0.04	HPLC	VK
$\Delta^9$ -THC	0.28	HPLC	VK
THCA	0.00	HPLC	VK

**Total cannabinoids:** 15.4 mg  
**Sample size:** 0 g  
**THC by mass:** 0.0744 %

  
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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

Sample Name: Plus CBD Oil 30ct softgel Gold 15mg FP-17-0  
857 Lot#UC170450-5  
Tested for: CV Sciences  
Sample ID: 171005P019  
Date Submitted: 10/05/2017  
Sample Type: Infused

## Microbiological Test Results

3M Petrifilm and plate counts for microbiological contamination

Total Yeast and Mold	<1,000 cfu/g	E. coli	ND
Pseudomonas	ND	Coliforms	<100 cfu/g
Total Aerobic Plate Count	<1,000 cfu/g	Salmonella	ND

**Total Sample Weight:** 0.3700 Grams

## Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

	mg/g / %		mg/g / %
α Bisabolol	N/A	α Terpinene	N/A
α Pinene	N/A	Linalool	N/A
3 Carene	N/A	Limonene	N/A
Borneol	N/A	Myrcene	N/A
β Caryophyllene	N/A	Fenchol	N/A
Geraniol	N/A	α Phellandrene	N/A
α Humulene	N/A	Caryophyllene Oxide	N/A
Terpinolene	N/A	Terpineol	N/A
Valencene	N/A	β Pinene	N/A
Menthol	N/A	R-(+)-Pulegone	N/A
Nerolidol	N/A	Geranyl Acetate	N/A
Camphene	N/A	Citronellol	N/A
Eucalyptol	N/A	p-Cymene	N/A
α Cedrene	N/A	Ocimene	N/A
Camphor	N/A	Guaiol	N/A
(-)-Isopulegol	N/A	Phytol	N/A
Sabinene	N/A	Isoborneol	N/A
γ Terpinene	N/A		

**Total Terpene Concentration:**

N/A

## Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

Propane	N/A	Ethanol	N/A
Methanol	N/A	Isopropanol	N/A
Isobutane	N/A	Mercaptan	N/A
2,2-Dimethylbutane	N/A	2-Methylpentane	N/A
3-Methylpentane	N/A	Cyclohexane + Benzene	N/A
Isopentane	N/A	Neopentane	N/A
n Butane	N/A	n Heptane	N/A
n Hexane	N/A	n Pentane	N/A

## Sample Certification



Scan to verify at sclabs.com

*Josh Wurzer*  
Josh Wurzer, President

## Cannabinoid Test Results

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

### Cannabinoid Summary

<b>Total THC</b>	Δ9THC+THCa	ND
<b>Total CBD</b>	CBD+CBDa	14.56 mg

### Full Cannabinoid Profile

THC	ND
THCa	ND
CBD	39.36 mg/g
CBDa	ND
CBN	ND
CBDV	0.79 mg/g
CBDVa	ND
CBG	0.56 mg/g
CBGa	ND
THCV	ND
Δ8 - THC	ND
CBC	2.16 mg/g

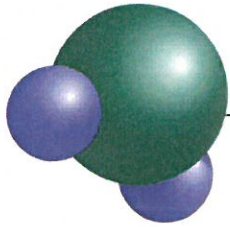
**Total Active Cannabinoids:**

42.87 mg/g

## Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry

	Reporting Limit
Acequinocyl	Not Detected 1
Abamectin	Not Detected 0.25
Bifenezate	Not Detected 0.1
Daminozide	Not Detected 0.5
Fenoxycarb	Not Detected 0.1
Imidacloprid	Not Detected 0.2
Myclobutanil	Not Detected 0.1
Paclobotrazol	Not Detected 0.2
Pyrethrins	Not Detected 0.5
Spinosad	Not Detected 0.1
Spiromesifen	Not Detected 0.1
Spirotetramat	Not Detected 0.1



**Analytical Report**  
October 09, 2017

Vandana Kothari  
CV Sciences  
3030 Bunker Hill St.  
Suite 107  
San Diego, CA 92109

Page 1 of 1  
WO Number: W17J0156

Client: CV Sciences  
Client #: C2662  
Sample Type: Soft Gel  
Collector: Client

Customer PO: C2662  
Date Received: 10/5/2017  
Date Completed: 10/09/2017  
Discard Date: 10/23/2017

**CSL#: 17J0356 Plus CBD Oil 15mg 30ct Gold Softgel (FP-17-0857) - Lot#: UC170450-5**

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.50 ppm	0.50	ICP MS	10/07/17	AW
Cadmium	<0.25 ppm	0.25	ICP MS	10/07/17	AW
Lead	<0.050 ppm	0.050	ICP MS	10/07/17	AW
Mercury	<0.10 ppm	0.10	ICP MS	10/07/17	AW

**CSL#: 17J0356**

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	<0.18 ug/soft gel	NA	0.37 g	NA
Cadmium	<0.092 ug/soft gel	NA	0.37 g	NA
Lead	<0.018 ug/soft gel	NA	0.37 g	NA
Mercury	<0.037 ug/soft gel	NA	0.37 g	NA

Respectfully Submitted,  
Chemical Solutions, Ltd.

  
QA Representative

Joshua Reichert  
Reviewed and Approved  
Oct 9 2017 5:07 PM

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Notes:

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The units for the PQL are the same as those shown for the result.