

Certificate of Analysis
 January 19, 2018

Sample ID: FP-17-1067

Product name Plus cbd oil capsule

Batch/Lot#: QL169A

Strength: 10mg 30ct

<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	9.45	HPLC	VK
CBDV	0.23	HPLC	VK
CBDA	0.15	HPLC	VK
CBG	0.17	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	0.40	HPLC	VK
CBN	0.05	HPLC	VK
Δ^9 -THC	0.27	HPLC	VK
THCA	0.00	HPLC	VK

Total cannabinoids: 10.7 mg
Sample size: 1 Capsule
THC by mass: *VK* 0.0627 %

JAN 19 2018

DM
JAN 22 2018

Analyst _____ Date _____

Reviewed By _____ Date _____

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

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

Sample Name: (FP-17-1067) Plus CBD Oil 30ct 10mg capsule
s Lot: QL169A
Sample ID: 180108M002
Batch ID:
Date Collected:
Date Received: 01/08/2018
Sample Type: Infused, Other
Sample Count:
Batch Count:

Tested for: CV Sciences
License #:
Address: 591 Camino De La Reina, Suite 1200 San Diego
CA 92108
Produced by:
License #:
Address:

Moisture Test Results

Moisture NT

Cannabinoid Test Results

01/10/2018

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

	LOD mg/g	LOQ mg/g	mg/g / %
THC	3.4e-05	0.001	0.66 / 0.07
THCa	6.6e-05	0.001	ND
CBD	5.7e-05	0.001	19.65 / 1.96
CBDa	3.8e-05	0.001	0.06 / 0.01
CBN	2.9e-05	0.001	0.06 / 0.01
CBDV	6.5e-05	0.001	0.36 / 0.04
CBDVa	3e-05	0.001	ND
CBG	8.6e-05	0.001	0.31 / 0.03
CBGa	7.2e-05	0.001	ND
THCV	3.5e-05	0.001	0.01 / 0.0
Δ8 - THC	8.3e-05	0.001	ND
CBC	9.5e-05	0.001	0.87 / 0.09

Total THC 0.07 %
Total CBD 1.97 %

Total Active Cannabinoids: 2.20 %

Pesticide Test Results

01/14/2018

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

	LOD	LOQ	
Aldicarb			0.0 µg/g
Carbofuran			0.0 µg/g
Chlordane			0.0 µg/g
Chlorfenapyr			0.0 µg/g
Chlorpyrifos			0.0 µg/g
Coumaphos			0.0 µg/g
Daminozide			0.0 µg/g
DDVP (Dichlorvos)			0.0 µg/g
Dimethoate			0.0 µg/g
Ethoprop(hos)			0.0 µg/g
Etofenprox			0.0 µg/g
Fenoxycarb			0.0 µg/g
Fipronil			0.0 µg/g
Imazalil			0.0 µg/g
Methiocarb			0.0 µg/g
Methyl parathion			0.0 µg/g
Mevinphos			0.0 µg/g
Pacllobutrazol			0.0 µg/g
Propoxur			0.0 µg/g
Spiroxamine			0.0 µg/g
Thiacloprid			0.0 µg/g

Terpene Test Results

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

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

Total Terpene Concentration: NT

Microbiological Test Results

01/11/2018

PCR and fluorescence detection of microbiological impurities

Shiga toxin-producing Escherichia coli	ND	Salmonella spp.	ND
Aspergillus fumigatus	ND	Aspergillus niger	ND
Aspergillus flavus	ND	Aspergillus terreus	ND

Sample Certification



Scan to verify at sclabs.com


Josh Wurzer, President

Certificate of Analysis

Sample Name: (FP-17-1067) Plus CBD Oil 30ct 10mg capsule
s Lot: QL169A
Sample ID: 180108M002
Batch ID:
Date Collected:
Date Received: 01/08/2018
Sample Type: Infused, Other
Sample Count:
Batch Count:

Tested for: CV Sciences
License #:
Address: 591 Camino De La Reina, Suite 1200 San Diego
CA 92108
Produced by:
License #:
Address:

Pesticide Test Results

01/14/2018

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

	LOD	LOQ
Abamectin		0.0 µg/g
Acephate		0.0 µg/g
Acequinocyl		0.0 µg/g
Acetamiprid		0.0 µg/g
Azoxystrobin		0.0 µg/g
Bifenazate		0.0 µg/g
Bifenthrin		0.0 µg/g
Boscalid		0.0 µg/g
Captan		0.0 µg/g
Carbaryl		0.0 µg/g
Chlorantraniliprole		0.0 µg/g
Clofentezine		0.0 µg/g
Cyfluthrin		0.0 µg/g
Cypermethrin		0.0 µg/g
Diazinon		0.0 µg/g
Dimethomorph		0.0 µg/g
Etoxazole		0.0 µg/g
Fenhexamid		0.0 µg/g
Fenpyroximate		0.0 µg/g
Fonicamid		0.0 µg/g
Fludioxonil		0.0 µg/g
Hexythiazox		0.0 µg/g
Imidacloprid		0.0 µg/g
Kresoxim-methyl		0.0 µg/g
Malathion		0.0 µg/g
Metalaxyl		0.0 µg/g
Methomyl		0.0 µg/g
Myclobutanil		0.0 µg/g
Naled		0.0 µg/g
Oxamyl		0.0 µg/g
Pentachloronitrobenzene		0.0 µg/g
Permethrin		0.0 µg/g
Phosmet		0.0 µg/g
Piperonylbutoxide		0.0 µg/g
Prallethrin		0.0 µg/g
Propiconazole		0.0 µg/g
Pyrethrins		0.0 µg/g
Pyridaben		0.0 µg/g
Spinetoram		0.0 µg/g
Spinosad		0.0 µg/g
Spiromesifen		0.0 µg/g
Spirotetramat		0.0 µg/g
Tebuconazole		0.0 µg/g
Thiamethoxam		0.0 µg/g
Trifloxystrobin		0.0 µg/g

Residual Solvent Test Results

01/15/2018

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

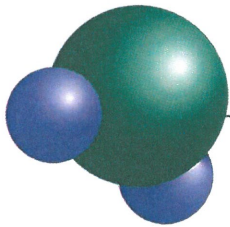
	LOD	LOQ
1,2-Dichloroethane		NT
Benzene		NT
Chloroform		NT
Ethylene Oxide		NT
Methylene chloride		NT
Trichloroethylene		NT
Acetone		62 µg/g
Acetonitrile		0 µg/g
Butane		0 µg/g
Ethanol		0 µg/g
Ethyl acetate		0 µg/g
Ethyl ether		0 µg/g
Heptane		0 µg/g
Hexane		0 µg/g
Isopropyl Alcohol		0 µg/g
Methanol		0 µg/g
Pentane		0 µg/g
Propane		0 µg/g
Toluene		0 µg/g
Total Xylenes		0 µg/g

Sample Certification



Scan to verify at sclabs.com


Josh Wurzer, President



Analytical Report
January 11, 2018

Vandana Kothari
CV Sciences
3030 Bunker Hill Street
Suite 107
San Diego, CA 92121

Page 1 of 1
WO Number: W18A0070

Client: CV Sciences
Client #: C2662
Sample Type: Capsule
Collector: Client

Customer PO: C2662
Date Received: 1/4/2018
Date Completed: 01/11/2018
Discard Date: 01/25/2018

CSL#: 18A0178 Plus CBD Oil 30ct 10mg capsules (FP-17-1067) Lot#: QL169A

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.50 ppm	0.50	ICP MS	01/08/18	HG
Cadmium	<0.25 ppm	0.25	ICP MS	01/08/18	HG
Lead	0.078 ppm	0.050	ICP MS	01/09/18	HG
Mercury	<0.10 ppm	0.10	ICP MS	01/10/18	JTP

CSL#: 18A0178

Parameter	Result	Serving Size	Unit Weight	Specification
Arsenic	<0.22 ug/cap	NA	0.44 g	NA
Cadmium	<0.11 ug/cap	NA	0.44 g	NA
Lead	0.034 ug/cap	NA	0.44 g	NA
Mercury	<0.044 ug/cap	NA	0.44 g	NA

Respectfully Submitted,
Chemical Solutions, Ltd.

Joshua Reichert
QA Representative

Joshua Reichert
Reviewed and Approved
Jan 11 2018 4:56 PM

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Notes:

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