



Certificate of Analysis
July 31, 2017

Sample ID: FP-17-0619
Product name: Green balm
Batch/Lot#: 0111417
Strength: 50mg 37g

<u>Cannabinoid:</u>	<u>mg:</u>	<u>Method:</u>	<u>Analyst:</u>
CBD	21.88	HPLC	VK
CBDV	0.69	HPLC	VK
CBDA	32.69	HPLC	VK
CBG	1.51	HPLC	VK
CBGA	0.00	HPLC	VK
CBC	0.00	HPLC	VK
CBN	0.00	HPLC	VK
Δ^9 -THC	0.42	HPLC	VK
THCA	0.00	HPLC	VK

Total CBD/CBDA 54.57 mg
Total cannabinoids: 57.2 mg
Sample size: 37 g
THC by mass: 0.0011 %


JUL 28 2017


JUL 31 2017

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

Sample Name: (FP-17-0619) Green Balm 50mg Lot: 0111417
 Tested for: CV Sciences
 Sample ID: 170731R019
 Date Submitted: 07/31/2017
 Sample Type: Infused

Total Sample Weight: 37.0000 Grams

Cannabinoid Test Results

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

Cannabinoid Summary

Total THC	Δ9THC+THCa	1.11 mg
Total CBD	CBD+CBDa	46.62 mg

Full Canabinoid Profile

THC	0.02 mg/g
THCa	0.01 mg/g
CBD	0.49 mg/g
CBDa	0.77 mg/g
CBN	ND
CBDV	ND
CBDVa	ND
CBG	ND
CBGa	ND
THCV	ND
Δ8 - THC	ND
CBC	0.04 mg/g

Total Active Cannabinoids: 1.33 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
Pacllobutrazol	Not Detected 0.2
Pyrethrins	Not Detected 0.5
Spinosad	Not Detected 0.1
Spiromesifen	Not Detected 0.1
Spirotetramat	Not Detected 0.1

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

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

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, President



chemical solutions ltd.[®]
trace elemental analysis

Analytical Report

August 03, 2017

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

Page 1 of 1
WO Number: W17G0964

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

Customer PO: C2662
Date Received: 7/31/2017
Date Completed: 08/02/2017
Discard Date: 08/17/2017

CSL#: 17G2604 Green Balm 50 mg (FP-17-0619) - Lot#: 0111417

Parameter	Result	PQL	Method	Date	Analyst
Arsenic	<0.5 ppm	0.5	ICP MS	08/02/17	AW
Cadmium	<0.25 ppm	0.25	ICP MS	08/02/17	AW
Lead	<0.05 ppm	0.05	ICP MS	08/01/17	ALC
Mercury	<0.1 ppm	0.1	ICP MS	08/02/17	AW

Respectfully Submitted,
Chemical Solutions, Ltd.

Mercedes Naugle
Reviewed and Approved
Aug 3 2017 04:46 PM

QA Representative

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Notes:

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