



CV SCIENCES™

Certificate of Analysis

December 9, 2020

Sample ID: FP-20-0742
Product Name: PlusCBD Maximum Strength Liquid – Peppermint
Batch/Lot #: 07377322
Strength: 1.86 fl. oz 1500mg – 25mg per serving
Expiration: 11/22
Analyst: HP



<u>Physical Properties</u>	<u>Result</u>	<u>Method</u>
Appearance	Pass	Organoleptic
Color	Pass	Organoleptic
Aroma	Pass	Organoleptic
<u>Cannabinoid</u>	<u>mg/unit</u>	<u>Method</u>
CBD	1567.45	HPLC
CBDV	8.17	HPLC
CBDA	ND	HPLC
CBGA	15.09	HPLC
CBG	0.61	HPLC
CBN	ND	HPLC
Δ ⁹ -THC	4.88	HPLC
CBC	23.60	HPLC
THCA	ND	HPLC
Total Cannabinoids	1627.23 mg	
Sample Size	49.50 g	
THC by Mass	0.0099 %	

ND = NOT DETECTED

Hayley Palmer
DEC 09 2020

Vandana Kothari
DEC 09 2020

Analyst
Hayley Palmer, B.S.
Quality Analyst

Date

Reviewed By
Vandana Kothari, M.S., B.Pharm.
Director of Quality

Date

This Certificate of Analysis has been generated to document product test results. The "Reviewed By" signature does not indicate finished product release for distribution.



Certificate of Analysis

CV Sciences, Inc.

10070 Barres Canyon Road
San Diego, CA 92121
Vandana Kothari

Sample

2012DBL0121.11843

Batch FP-20-0742

Lot 7377322

Ordered 12/9/2020

Completed 12/14/2020

PlusCBD Maximum Strength Liquid - 25mg Peppermint 1.86 fl. oz 1500mg EXP: 11/22

Cannabinoids

1595.54 **3.22** **49.50**

Total CBD (mg/unit) % Total CBD Unit weight (g)

Cannabinoid	LOQ %	Mass %	Mass mg/g	Concentration
CBD	0.08	3.22	32.2	
CBDA	0.08	<LOQ	<LOQ	
d9-THC	0.08	<LOQ	<LOQ	
THCA-A	0.08	<LOQ	<LOQ	
d8-THC	0.08	<LOQ	<LOQ	
THCV	0.08	<LOQ	<LOQ	
CBDV	0.08	<LOQ	<LOQ	
CBDA	0.08	<LOQ	<LOQ	
CBGA	0.08	<LOQ	<LOQ	
CBG	0.08	<LOQ	<LOQ	
CBN	0.08	<LOQ	<LOQ	
CBC	0.08	<LOQ	<LOQ	
CBL	0.08	<LOQ	<LOQ	

Pesticides/Plant Growth Regulators

Pesticides	Status	Sample (PPB)	LOQ (PPB)
Acequinocyl	PASS	<LOQ	10
Abamectin	PASS	<LOQ	10
Bifenazate	PASS	<LOQ	10
Fenoxycarb	PASS	<LOQ	10
Fludioxonil	PASS	<LOQ	10
Imidacloprid	PASS	<LOQ	10
Myclobutanil	PASS	<LOQ	10
Pyrethrin	PASS	<LOQ	10
Spinosad	PASS	<LOQ	10
Spiromesifen	PASS	<LOQ	10
Spirotetramat	PASS	<LOQ	10
Tebuconazole	PASS	<LOQ	10

Plant Growth Regulators

Daminozide	PASS	<LOQ	10
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Residual Solvents

Compound	Status	Limit (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

Microbiology

Quantitative Analysis	Status	Sample	LOQ	Limit
	Pass/Fail	CFU/g	CFU/g	CFU/g
Mold/Mildew/Yeast	PASS	<LOQ	100	10,000
Enterobacteriaceae	PASS	<LOQ	100	1,000
Aerobic Bacteria	PASS	<LOQ	1000	100,000
Coliforms	PASS	<LOQ	100	1,000

Qualitative Analysis	Detected or Not-detected
E. Coli	PASS Not-detected
Salmonella	PASS Not-detected
Pseudomonas	PASS Not-detected

Heavy Metals

Compound	Status	Sample	LOQ	Limit
	Pass/Fail	PPB	PPB	PPB
Arsenic	PASS	<LOQ	23	1500
Cadmium	PASS	<LOQ	23	500
Mercury	PASS	<LOQ	23	1000
Lead	PASS	<LOQ	23	500

1. The hemp extract is the product of a batch tested by the independent testing laboratory;
2. The batch contained a total delta-9-tetrahydrocannabinol concentration that did not exceed 0.3 percent pursuant to the testing of a random sample of the batch; and
3. The batch does not contain contaminants unsafe for human consumption.*



CV SCIENCES™
A CV SCIENCE COMPANY

Stacy Gardalen

Stacy Gardalen
Director

Glen Marquez

Glen Marquez
Quality Control

The reported result is based on a sample weight with the applicable moisture content for that sample. LOQ = Limit of Quantitation. NA = Not Analyzed. ND = Not Detected. PGR = Plant Growth Regulator. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. This product has been tested by DB Labs, LLC (MME# 61887736101164525768) using valid testing methodologies and a quality system as required by Nevada state law. Values reported relate only to the product tested. DB Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein.* Tested analytes and limits were set by the customer. This Certificate shall not be reproduced except in full, without the written approval of DB Labs.



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Las Vegas, NV 89103
(702)729-5180
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December 11, 2020

CV SCIENCES, INC.

Attn: Vandana Kothari
 10070 Barnes Canyon Road, Suite 100
 San Diego, CA 92121

Order No. 518205
 Sample No. 1065885

SAMPLE INFORMATION

Description FP-20-0742 PlusCBD Maximum Strength Liquid - 25mg Peppermint 1.86 fl. oz 1500mg EXP: 11/22
Lot Number 07377322
Category (Type) Non-Inhalable Edible (Tincture)
Received December 09, 2020

ANALYTICAL RESULTS

Analysis Residual Solvent Screen ✔ Pass
Instrument Gas Chromatography Mass Spectrometry (GC/MS)
Method USP OVI<467>
Analysis Date December 09, 2020 to December 11, 2020

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.1/1	ND	1.0	Pass
Acetone	11/150	ND	5000	Pass
Acetonitrile	1/12	ND	410	Pass
Benzene	0.1/1	ND	1	Pass
n-Butane	48/160	ND	5000	Pass
Chloroform	0.1/1	ND	1	Pass
Ethanol	2/7	BLOQ	5000	Pass
Ethyl acetate	5/80	ND	5000	Pass
Ethyl ether	17/50	ND	5000	Pass
Ethylene oxide	0.5/1	ND	1	Pass
n-Heptane	1/4	ND	5000	Pass
n-Hexane	2/10	ND	290	Pass
Isopropyl alcohol	5/100	ND	5000	Pass
Methanol	3/50	ND	3000	Pass
Methylene chloride	0.5/1	ND	1	Pass
n-Pentane	2/6	ND	5000	Pass
Propane	10/33	ND	5000	Pass
Toluene	2/30	ND	890	Pass
Total xylenes (ortho-, meta-, para-)	5/90	ND	2170	Pass
Trichloroethylene	0.1/1	ND	1	Pass

Reported by
Anresco, Inc.

ND = None Detected
 <LOQ = Below Limit of Quantitation
 <LOD = Below Limit of Detection




Jordean Vargas
 Analyst

December 11, 2020

If there are any questions with this report, please contact "compliance@anresco.com".

December 11, 2020

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Sample No. 1065885

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Lot Number 07377322
Category (Type) Non-Inhalable Edible (Tincture)
Received December 09, 2020

ANALYTICAL RESULTS

Analysis Pesticide Screen ✔ Pass
Instrument Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)
Method MF 21P030
Analysis Date December 09, 2020 to December 11, 2020

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Abamectin	0.04/0.10	ND	0.3	Pass
Acephate	0.04/0.10	ND	5.0	Pass
Acequinocyl	0.04/0.10	ND	4.0	Pass
Acetamiprid	0.04/0.10	ND	5.0	Pass
Aldicarb	0.04/0.10	ND	0.04	Pass
Azoxystrobin	0.04/0.10	ND	40.0	Pass
Bifenazate	0.04/0.10	ND	5.0	Pass
Bifenthrin	0.20/0.50	ND	0.5	Pass
Boscalid	0.04/0.10	ND	10.0	Pass
Captan	0.25/0.70	ND	5.0	Pass
Carbaryl	0.20/0.50	ND	0.5	Pass
Carbofuran	0.04/0.10	ND	0.04	Pass
Chlorantraniliprole	0.04/0.10	ND	40.0	Pass
Chlordane	0.04/0.10	ND	0.04	Pass
Chlorfenapyr	0.04/0.10	ND	0.04	Pass
Chlorpyrifos	0.04/0.10	ND	0.04	Pass
Clofentezine	0.04/0.10	ND	0.5	Pass
Coumaphos	0.04/0.10	ND	0.04	Pass
Cyfluthrin	0.70/2.00	ND	1.0	Pass
Cypermethrin	0.35/1.00	ND	1.0	Pass
Daminozide	0.04/0.10	ND	0.04	Pass
DDVP (Dichlorvos)	0.04/0.10	ND	0.04	Pass
Diazinon	0.04/0.10	ND	0.2	Pass
Dimethoate	0.04/0.10	ND	0.04	Pass
Dimethomorph	0.04/0.10	ND	20.0	Pass
Ethoprop(hos)	0.04/0.10	ND	0.04	Pass
Etofenprox	0.04/0.10	ND	0.04	Pass
Etoxazole	0.04/0.10	ND	1.5	Pass
Fenhexamid	0.04/0.10	ND	10.0	Pass
Fenoxycarb	0.04/0.10	ND	0.04	Pass
Fenpyroximate	0.04/0.10	ND	2.0	Pass
Fipronil	0.04/0.10	ND	0.04	Pass

If there are any questions with this report, please contact "compliance@anresco.com".

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Flonicamid	0.04/0.10	ND	2.0	Pass
Fludioxanil	0.04/0.10	ND	30.0	Pass
Hexythiazox	0.04/0.10	ND	2.0	Pass
Imazalil	0.04/0.10	ND	0.04	Pass
Imidacloprid	0.04/0.10	ND	3.0	Pass
Kresoxim Methyl	0.04/0.10	ND	1.0	Pass
Malathion	0.20/0.50	ND	5.0	Pass
Metalaxyl	0.04/0.10	ND	15.0	Pass
Methiocarb	0.04/0.10	ND	0.04	Pass
Methomyl	0.04/0.10	ND	0.1	Pass
Methyl parathion	0.04/0.10	ND	0.04	Pass
Mevinphos	0.04/0.10	ND	0.04	Pass
Myclobutanil	0.04/0.10	ND	9.0	Pass
Naled	0.04/0.10	ND	0.5	Pass
Oxamyl	0.20/0.50	ND	0.2	Pass
Paclobutrazol	0.04/0.10	ND	0.04	Pass
Pentachloronitrobenzene	0.04/0.10	ND	0.2	Pass
Permethrins	0.20/0.50	ND	20.0	Pass
Phosmet	0.04/0.10	ND	0.2	Pass
Piperonyl Butoxide	0.04/0.10	ND	8.0	Pass
Prallethrin	0.04/0.10	ND	0.4	Pass
Propiconazole	0.04/0.10	ND	20.0	Pass
Propoxur	0.04/0.10	ND	0.04	Pass
Pyrethrins	0.20/0.50	ND	1.0	Pass
Pyridaben	0.04/0.10	ND	3.0	Pass
Spinetoram	0.04/0.10	ND	3.0	Pass
Spinosad	0.04/0.10	ND	3.0	Pass
Spiromesifen	0.04/0.10	ND	12.0	Pass
Spirotetramat	0.04/0.10	ND	13.0	Pass
Spiroxamine	0.04/0.10	ND	0.04	Pass
Tebuconazole	0.04/0.10	ND	2.0	Pass
Thiacloprid	0.04/0.10	ND	0.04	Pass
Thiamethoxam	0.35/1.00	ND	4.5	Pass
Trifloxystrobin	0.04/0.10	ND	30.0	Pass

Reported by
Anresco, Inc.

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 <LOQ = Below Limit of Quantitation
 <LOD = Below Limit of Detection



Eric Tam
 Senior Chemist

December 11, 2020

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