



CV SCIENCES™

Certificate of Analysis
December 10, 2020

Sample ID: FP-20-0747
Product Name: PlusCBD Original Liquid - Peppermint
Batch/Lot #: 07319329
Strength: 1.86 fl. oz 500mg – 5mg per serving
Expiration: 12/22
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 | 562.80 | HPLC |
| CBDV | 5.06 | HPLC |
| CBDA | 9.21 | HPLC |
| CBGA | 16.16 | HPLC |
| CBG | 6.73 | HPLC |
| CBN | ND | HPLC |
| Δ ⁹ -THC | 11.05 | HPLC |
| CBC | 54.74 | HPLC |
| THCA | ND | HPLC |
| Total Cannabinoids | 665.74 mg | |
| Sample Size | 49.50 g | |
| THC by Mass | 0.0223 % | |

ND = NOT DETECTED

Hayley Palmer

DEC 10 2020

Vandana Kothari

DEC 10 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 Barnes Canyon Road
San Diego, CA 92121
Vandana Kothari

Sample

2012DBL0135.11870

Batch FP-20-0747

Lot 7319329

Ordered 12/10/2020

Completed 12/15/2020

PlusCBD Original Liquid - 5mg Peppermint 1.86 fl. oz 500mg EXP: 12/22

Cannabinoids

| | 527.78 | 1.07 | 49.50 |
|---------------------|-------------|-----------------|-------------------------|
| Total CBD (mg/unit) | % Total CBD | Unit weight (g) | |
| Cannabinoid | LOQ | Mass % | Mass Concentration mg/g |
| CBD | 0.07 | 1.07 | 10.7 |
| CBDA | 0.07 | <LOQ | <LOQ |
| d9-THC | 0.07 | <LOQ | <LOQ |
| THCA-A | 0.07 | <LOQ | <LOQ |
| d8-THC | 0.07 | <LOQ | <LOQ |
| THCV | 0.07 | <LOQ | <LOQ |
| CBDV | 0.07 | <LOQ | <LOQ |
| CBDVA | 0.07 | <LOQ | <LOQ |
| CBGA | 0.07 | <LOQ | <LOQ |
| CBG | 0.07 | <LOQ | <LOQ |
| CBN | 0.07 | <LOQ | <LOQ |
| CBC | 0.07 | <LOQ | <LOQ |
| CBL | 0.07 | <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 |
| Spiromesifien | PASS | <LOQ | 10 |
| Spirotetramat | PASS | <LOQ | 10 |
| Tebuconazole | PASS | <LOQ | 10 |

| Plant Growth Regulators | | | |
|-------------------------|------|------|----|
| Daminozide | PASS | <LOQ | 10 |

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 | 90 | 10,000 |
| Enterobacteriaceae | PASS | <LOQ | 90 | 1,000 |
| Aerobic Bacteria | PASS | <LOQ | 900 | 100,000 |
| Coliforms | PASS | <LOQ | 90 | 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 | 93 | 24 | 1500 |
| Cadmium | PASS | <LOQ | 24 | 500 |
| Mercury | PASS | <LOQ | 24 | 1000 |
| Lead | PASS | <LOQ | 24 | 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 U.S. BULK CANNABIS COMPANY

Stacy Gardalen

Stacy Gardalen
Director

Gien Marquez

Gien Marquez
Quality Control



4439 Polaris Ave.
Las Vegas, NV 89103
(702)729-5180

www.dblabslv.com

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 (MIME# 61.887736101164525768) 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.

ANALYZED BY:

Anresco Laboratories
 1375 Van Dyke Avenue,
 San Francisco, CA 94124
 C8-0000052-LIC

MANUFACTURER:

CV Sciences, Inc.
 Attn: Vandana Kothari
 10070 Barnes Canyon Road, Suite 100
 San Diego, CA 92121


SAMPLE INFORMATION

Sample No.: 1066027
Product Name: FP-20-0747 PlusCBD Original Liquid - 5mg Peppermint 1.86 fl. oz 500mg EXP: 12/22
Matrix: Orally Consumed Concentrate (Tincture)
Batch #: 07319329

Date Collected: 12/10/2020
Date Received: 12/10/2020
Date Reported: 12/14/2020

TEST SUMMARY

Pesticides Residue Screen: ✔ Pass

Residual Solvent Screen: ✔ Pass

PESTICIDES RESIDUE SCREEN ✔ Pass

12/14/2020

Method: MF 21P030

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

| 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 |
| Fionicamid | 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 |

| Analyte | LOD/LOQ (ppm) | Findings (ppm) | Limit (ppm) | Status |
|-------------------------|---------------|----------------|-------------|--------|
| 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 |
| Pacllobutrazol | 0.04/0.10 | ND | 0.04 | Pass |
| Pentachloronitrobenzene | 0.04/0.10 | ND | 0.2 | Pass |
| Permethrins | 0.10/0.25 | 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 |

RESIDUAL SOLVENT SCREEN ✔ Pass

12/11/2020

Method: USP CVI<467>

Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

| Analyte | LOD/LOQ (ppm) | Findings (ppm) | Limit (ppm) | Status |
|--------------------|---------------|----------------|-------------|--------|
| 1,2-Dichloroethane | 0.40/1.00 | ND | 1.0 | Pass |
| Acetone | 17/75 | ND | 5000 | Pass |
| Acetonitrile | 1/6 | ND | 410 | Pass |
| Benzene | 0.40/1.00 | ND | 1 | Pass |
| n-Butane | 200/600 | ND | 5000 | Pass |
| Chloroform | 0.40/1.00 | ND | 1 | Pass |
| Ethanol | 22/100 | <LOD (10.4) | 5000 | Pass |
| Ethyl Acetate | 9/40 | ND | 5000 | Pass |
| Ethyl Ether | 11/50 | ND | 5000 | Pass |
| Ethylene Oxide | 0.40/1.00 | ND | 1 | Pass |
| n-Heptane | 11/50 | ND | 5000 | Pass |
| n-Hexane | 1/5 | ND | 290 | Pass |
| Isopropyl Alcohol | 11/50 | <LOQ | 5000 | Pass |
| Methanol | 6/25 | ND | 3000 | Pass |
| Methylene Chloride | 0.40/1.00 | ND | 1 | Pass |
| n-Pentane | 17/75 | ND | 5000 | Pass |
| Propane | 125/250 | ND | 5000 | Pass |
| Toluene | 3/15 | ND | 890 | Pass |
| Total Xylenes | 1/3 | ND | 2170 | Pass |
| Trichloroethylene | 0.40/1.00 | ND | 1 | Pass |

(-) = Not Tested, ND = None Detected, <LOQ = Below Limit of Quantitation, LOD = Limit of Detection

Reported by




 Vu Lam
 Lab Co Director


Scan to verify