



CV SCIENCES™

Certificate of Analysis
November 19, 2020

Sample ID: FP-20-0707
Product name: PlusCBD Extra Strength Gummies - Cherry Mango
Batch/Lot#: 20SM2991
Strength: 10mg 30ct
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:</u> | <u>Method:</u> |
|---------------------|------------|----------------|
| CBD | 11.81 | HPLC |
| CBDV | 0.07 | HPLC |
| CBDA | ND | HPLC |
| CBGA | ND | HPLC |
| CBG | 0.02 | HPLC |
| CBN | ND | HPLC |
| Δ^9 -THC | 0.07 | HPLC |
| CBC | 0.05 | HPLC |
| THCA | 0.11 | HPLC |

| | |
|----------------------------|-------------------------|
| Total cannabinoids: | 12.1 mg |
| Sample size: | 4.20 g (1 gummy) |
| THC by mass: | 0.0017 % |

ND = NOT DETECTED

Hayley Palmer
NOV 19 2020

Vandana Kothari
NOV 19 2020

Analyst _____ Date _____
Hayley Palmer, B.S.
Quality Analyst

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

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

2011DBL0218.11110

Batch FP-20-0707
Lot 20SM2991
Ordered 11/17/2020

Completed 11/20/2020

PlusCBD Extra Strength Gummies - 10mg Cherry Mango 30ct EXP: 11/22

| Cannabinoids | | | | |
|---------------------|-------------|--------|-----------------|---------------|
| | 11.27 | 0.28 | 4.01 | |
| Total CBD (mg/unit) | % Total CBD | | Unit weight (g) | |
| Cannabinoid | LOQ % | Mass % | Mass mg/g | Concentration |
| CBD | 0.005 | 0.281 | 2.8 | |
| CBDa | 0.005 | <LOQ | <LOQ | |
| d9-THC | 0.005 | <LOQ | <LOQ | |
| THCA-A | 0.005 | <LOQ | <LOQ | |
| d8-THC | 0.005 | <LOQ | <LOQ | |
| THCV | 0.005 | <LOQ | <LOQ | |
| CBDV | 0.005 | <LOQ | <LOQ | |
| CBDVA | 0.005 | <LOQ | <LOQ | |
| CBGA | 0.005 | <LOQ | <LOQ | |
| CBG | 0.005 | <LOQ | <LOQ | |
| CBN | 0.005 | <LOQ | <LOQ | |
| CBC | 0.005 | <LOQ | <LOQ | |
| CBL | 0.005 | <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 |

| 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 |
| Mold/Mildew/Yeast | Pass/Fail | CFU/g | CFU/g | CFU/g |
| Enterobacteriaceae | PASS | <LOQ | 90 | 10,000 |
| 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 | <LOQ | 23 | 1500 |
| Cadmium | PASS | <LOQ | 23 | 500 |
| Mercury | PASS | <LOQ | 23 | 1000 |
| Lead | PASS | 34 | 23 | 500 |

Water Activity: 0.4122 PASS Limit: 0.8500

- The hemp extract is the product of a batch tested by the independent testing laboratory;
- 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
- The batch does not contain contaminants unsafe for human consumption.*



Stacy Gardalen

Stacy Gardalen
Director

Glen Marquez

Glen Marquez
Quality Control



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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 (IMM# 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.

ANALYZED BY:

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

MANUFACTURER:

CV Sciences
10070 Barnes Canyon Road suite 100
SAN DIEGO 92121
n/a



SAMPLE INFORMATION

Sample No.: 1063781
Product Name: FF-20-0707 PlusCBD Extra Strength Gummies - 10mg Cherry Mango 30ct EXP: 11/22
Matrix: Edible (Gummy)
Batch #: 20SM2991

Date Collected: 11/17/2020
Date Received: 11/17/2020
Date Reported: 11/19/2020

TEST SUMMARY

Pesticides Residue Screen: ✔ Pass

Residual Solvent Screen: ✔ Pass

PESTICIDES RESIDUE SCREEN ✔ Pass

11/19/2020

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 (Dichlorovous) | 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 |
| 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 |

| Analyte | LOD/LOQ (ppm) | Findings (ppm) | Limit (ppm) | Status |
|-------------------------|---------------|----------------|-------------|--------|
| 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 | 0.10/0.25 | 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

11/18/2020

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 | ND | 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 | ND | 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