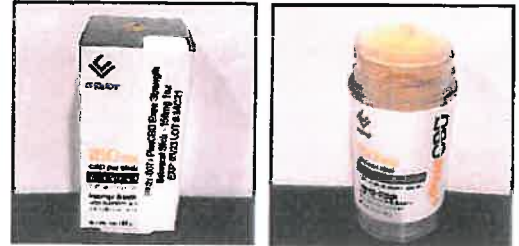




CV SCIENCES™

Certificate of Analysis  
April 6, 2021

**Sample ID:** FP-21-0071  
**Product Name:** PlusCBD Extra Strength Botanical Stick  
**Batch/Lot #:** 34C21  
**Strength:** 150mg 1oz  
**Expiration:** 03/23  
**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                        | 158.48           | HPLC          |
| CBDV                       | 2.38             | HPLC          |
| CBDA                       | ND               | HPLC          |
| CBGA                       | 4.38             | HPLC          |
| CBG                        | 1.80             | HPLC          |
| CBN                        | ND               | HPLC          |
| Δ <sup>9</sup> -THC        | 3.63             | HPLC          |
| CBC                        | 12.88            | HPLC          |
| THCA                       | ND               | HPLC          |
| <b>Total Cannabinoids</b>  | <b>182.52 mg</b> |               |
| <b>Sample Size</b>         | <b>28.00 g</b>   |               |
| <b>THC by Mass</b>         | <b>0.0130 %</b>  |               |

ND = NOT DETECTED

*Hayley Palmer*

APR 06 2021

APR 06 2021

Analyst  
Hayley Palmer, B.S.  
Quality Analyst

Date

Reviewed By  
Ryan Santiago, B.S.  
Senior Quality Associate

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

2104DBL0010.3398

Batch FP-21-0071

Lot 34C21

Ordered 4/2/2021

Completed 4/9/2021

PlusCBD Extra Strength Botanical Stick - 150mg 1oz EXP: 03/23

## Cannabinoids

|                     | 150.71 | 0.54        | 28              |                    |
|---------------------|--------|-------------|-----------------|--------------------|
| Total CBD (mg/unit) |        | % Total CBD | Unit weight (g) |                    |
| Cannabinoid         | LOQ    | Mass %      | Mass %          | Concentration mg/g |
| CBD                 | 0.01   | 0.54        | 5.4             |                    |
| CBDA                | 0.01   | <LOQ        | <LOQ            |                    |
| d9-THC              | 0.01   | 0.02        | 0.2             |                    |
| THCA-A              | 0.01   | <LOQ        | <LOQ            |                    |
| d8-THC              | 0.01   | <LOQ        | <LOQ            |                    |
| THCV                | 0.01   | <LOQ        | <LOQ            |                    |
| CBDV                | 0.01   | <LOQ        | <LOQ            |                    |
| CBDVA               | 0.01   | <LOQ        | <LOQ            |                    |
| CBGA                | 0.01   | <LOQ        | <LOQ            |                    |
| CBG                 | 0.01   | <LOQ        | <LOQ            |                    |
| CBN                 | 0.01   | <LOQ        | <LOQ            |                    |
| CBC                 | 0.01   | 0.02        | 0.2             |                    |
| CBL                 | 0.01   | <LOQ        | <LOQ            |                    |

## Pesticides/Plant Growth Regulators

| Pesticides              | Status | Sample (PPB) | LOQ (PPB) |
|-------------------------|--------|--------------|-----------|
| Acequinocyl             | PASS   | <LOQ         | 10        |
| Azamectin               | 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   |
|-----------------------|-----------|--------------------------|--------------|---------|
|                       | Pass/Fail | CFU/g                    | CFU/g        | CFU/g   |
| Mold/Mildew/Yeast     | PASS      | <LOQ                     | 9            | 10,000  |
| Enterobacteriaceae    | PASS      | <LOQ                     | 9            | 1,000   |
| Aerobic Bacteria      | PASS      | <LOQ                     | 9            | 100,000 |
| Coliforms             | PASS      | <LOQ                     | 9            | 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      | 131    | 52  | 1500  |
| Cadmium  | PASS      | <LOQ   | 52  | 500   |
| Mercury  | PASS      | <LOQ   | 52  | 1000  |
| Lead     | PASS      | 239    | 52  | 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.\*



*Stacy Gardalen*

Stacy Gardalen  
Director

*Glen Marquez*

Glen Marquez  
Quality Control



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

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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 (MMEN 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  
C8-000052-LIC

**DISTRIBUTOR:**

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

**MANUFACTURER:**

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



**SAMPLE INFORMATION**

**Sample No.:** 1078578  
**Product Name:** FP-21-0071 PlusCBD Extra Strength Botanical Stick - 150mg 1oz EXP: 03/23  
**Matrix:** Topical (Lotion/Balm)  
**Batch #:** 34C21

**Date Collected:** 04/02/2021  
**Date Received:** 04/02/2021  
**Date Reported:** 04/07/2021

**TEST SUMMARY**

**Pesticides Residue Screen:** ✔ Pass

**Residual Solvent Screen:** ✔ Pass

**PESTICIDES RESIDUE SCREEN** ✔ Pass

04/07/2021

**Method:** IAF 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   |
| Chloridane          | 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   |
| Fonicamid           | 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 |
|-------------------------|---------------|----------------|-------------|--------|
| Myclobutamil            | 0.04/0.10     | ND             | 9.0         | Pass   |
| Naled                   | 0.04/0.10     | ND             | 0.5         | Pass   |
| Oxamyl                  | 0.04/0.10     | 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   |

**RESIDUAL SOLVENT SCREEN** ✔ Pass

04/07/2021

Method: USP OVI<467>

Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

| Analyte                              | LOD/LOQ (ppm) | Findings (ppm) | Limit (ppm) | Status |
|--------------------------------------|---------------|----------------|-------------|--------|
| 1,2-Dichloroethane                   | 0.10/1.00     | ND             | 1           | Pass   |
| Acetone                              | 50/150        | ND             | 5000        | Pass   |
| Acetonitrile                         | 4/12          | ND             | 410         | Pass   |
| Benzene                              | 0.10/1.00     | ND             | 1           | Pass   |
| n-Butane                             | 48/160        | ND             | 5000        | Pass   |
| Chloroform                           | 0.10/1.00     | ND             | 1           | Pass   |
| Ethanol                              | 67/200        | ND             | 5000        | Pass   |
| Ethyl acetate                        | 27/80         | ND             | 5000        | Pass   |
| Ethyl ether                          | 17/50         | ND             | 5000        | Pass   |
| Ethylene oxide                       | 0.50/1.00     | ND             | 1           | Pass   |
| n-Heptane                            | 1/4           | ND             | 5000        | Pass   |
| n-Hexane                             | 2/10          | ND             | 290         | Pass   |
| Isopropyl alcohol                    | 33/100        | ND             | 5000        | Pass   |
| Methanol                             | 50/150        | ND             | 3000        | Pass   |
| Methylene chloride                   | 0.50/1.00     | ND             | 1           | Pass   |
| n-Pentane                            | 2/6           | ND             | 5000        | Pass   |
| Propane                              | 10/33         | ND             | 5000        | Pass   |
| Toluene                              | 10/30         | ND             | 890         | Pass   |
| Total xylenes (ortho-, meta-, para-) | 30/90         | ND             | 2170        | Pass   |
| Trichloroethylene                    | 0.10/1.00     | 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