

Certificate of Analysis  
 November 6, 2018

**Sample ID:** FP-18-1150  
**Product name** Plus cbd oil hemp gummy Citrus Punch  
**Batch/Lot#:** PV10182018-30  
**Strength:** 5mg 30ct  
**Expiration:** 04/20

| <u>Physical properties</u> | <u>Result</u> | <u>Method</u> | <u>Analyst</u> |
|----------------------------|---------------|---------------|----------------|
| Appearance                 | Pass          | Organoleptic  | VK             |
| Color                      | Pass          | Organoleptic  | VK             |
| Aroma                      | Pass          | Organoleptic  | VK             |

| <u>Cannabinoid:</u> | <u>mg:</u>  | <u>Method:</u> | <u>Analyst:</u> |
|---------------------|-------------|----------------|-----------------|
| <b>CBD</b>          | <b>5.47</b> | HPLC           | VK              |
| CBDV                | 0.19        | HPLC           | VK              |
| CBDa                | 0.17        | HPLC           | VK              |
| CBG                 | 0.07        | HPLC           | VK              |
| CBGA                | 0.00        | HPLC           | VK              |
| CBC                 | 0.34        | HPLC           | VK              |
| CBN                 | 0.03        | HPLC           | VK              |
| Δ <sup>9</sup> -THC | 0.17        | HPLC           | VK              |
| THCA                | 0.00        | HPLC           | VK              |

**Total cannabinoids:** 6.4 mg  
**Sample size:** 1 gummy  
**THC by mass:** *VK* 0.0047 %

*VK*  
 NOV 06 2018

*DA*  
 NOV 07 2018

Analyst \_\_\_\_\_ Date \_\_\_\_\_  
 Vandana Kothari, M.S., B.Pharm.  
 Analytical Chemist

Reviewed By \_\_\_\_\_ Date \_\_\_\_\_  
 Dalia Chandler, M.S., B.S.  
 QA/QC Manager



# Certificate of Analysis

**CV Sciences, Inc.**

2688 South Rainbow Blvd.

Las Vegas, NV 89146

Dalia Chandler

Sample

**1811DBL0035.6005**

Batch FP-18-1150

Lot PV10182018-30

Ordered Tue, 06 Nov 2018 18:02:

Completed 11/9/2018

## Plus CBD Oil 30ct 5mg Hemp Gummies Citrus Punch EXP 04/2020

### Cannabinoids

|                     | 6.13 | 0.18        | 3.45                      |
|---------------------|------|-------------|---------------------------|
| Total CBD (mg/unit) |      |             |                           |
|                     |      | % Total CBD | Unit weight (g)           |
| Cannabinoid         | LOQ  | Mass %      | Mass % Concentration mg/g |
| CBD                 | 0.05 | 0.178       | 1.8                       |
| CBDa                | 0.05 | <LOQ        | <LOQ                      |
| d9-THC              | 0.05 | <LOQ        | <LOQ                      |
| THCA-A              | 0.05 | <LOQ        | <LOQ                      |
| d8-THC              | 0.05 | <LOQ        | <LOQ                      |
| THCV                | 0.05 | <LOQ        | <LOQ                      |
| CBDV                | 0.05 | <LOQ        | <LOQ                      |
| CBDVA               | 0.05 | <LOQ        | <LOQ                      |
| CBGA                | 0.05 | <LOQ        | <LOQ                      |
| CBG                 | 0.05 | <LOQ        | <LOQ                      |
| CBN                 | 0.05 | <LOQ        | <LOQ                      |
| CBC                 | 0.05 | <LOQ        | <LOQ                      |
| CBL                 | 0.05 | <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        |
| 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      | <LOQ   | 51  | 2000  |
| Cadmium  | PASS      | <LOQ   | 51  | 820   |
| Mercury  | PASS      | <LOQ   | 51  | 400   |
| Lead     | PASS      | 59     | 51  | 1200  |



*Stacy Gardalen*

Stacy Gardalen  
Director

*Kelly Zaugg*

Kelly Zaugg  
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 (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. This Certificate shall not be reproduced except in full, without the written approval of DB Labs.