

Certificate of Analysis
September 13, 2018

Sample ID: FP-18-0936
Product name Plus cbd oil original hemp balm
Batch/Lot#: 0223418
Strength: 50mg 37g
Expiration: 08/20

| <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> |
|-------------------------------|-----------------|----------------|-----------------|
| CBD | 18.77 | HPLC | VK |
| CBDV | 0.76 | HPLC | VK |
| CBDA | 36.15 | HPLC | VK |
| CBG | 0.41 | HPLC | VK |
| CBGA | 0.00 | HPLC | VK |
| CBC | 1.57 | HPLC | VK |
| CBN | 0.00 | HPLC | VK |
| Δ ⁹ -THC | 0.95 | HPLC | VK |
| THCA | 0.00 | HPLC | VK |
| Total CBD/CBDA | 54.92 mg | | |
| Total cannabinoids: | 58.6 mg | | |
| Sample size: | 37.00 g | | |
| THC by mass: <i>VK</i> | 0.0026 % | | |

SEP 13 2018

DA
SEP 15 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

1809DBL0057.4789

Batch FP-18-0936

Lot 0223418

Ordered 9/12/18

Completed 9/15/18

Plus CBD Oil Original Hemp Balm 50mg EXP 08/2020

| Cannabinoids | | | | |
|---------------------|-------------|-----------------|-----------|---------------|
| 52.3 | 0.14 | 37.0 | | |
| Total CBD (mg/unit) | % Total CBD | Unit weight (g) | | |
| Cannabinoid | LOQ % | Mass % | Mass mg/g | Concentration |
| CBD | 0.05 | 0.05 | 0.54 | |
| CBDa | 0.05 | 0.09 | 0.88 | |
| 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 | |

Total CBD = CBDa + CBD

| Pesticides/Plant Growth Regulators | | | | |
|------------------------------------|--------|--------------|-----------|-------------|
| Pesticides | Status | Sample (PPB) | LOQ (PPB) | Limit (PPB) |
| Acequinocyl | PASS | <LOQ | 10 | 4000 |
| Abamectin | PASS | <LOQ | 10 | 50 |
| Bifenazate | PASS | <LOQ | 10 | 15000 |
| Fenoxycarb | PASS | <LOQ | 10 | |
| Fludioxonil | PASS | <LOQ | 10 | 20 |
| Imidacloprid | PASS | <LOQ | 10 | 50 |
| Myclobutanil | PASS | <LOQ | 10 | 4000 |
| Pyrethrin | PASS | <LOQ | 10 | 1000 |
| Spinosad | PASS | <LOQ | 10 | 10000 |
| Spiromesifen | PASS | <LOQ | 10 | |
| Spirotetramat | PASS | <LOQ | 10 | 10000 |
| Plant Growth Regulators | | | | |
| Daminozide | PASS | <LOQ | 10 | 50 |

| 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 | | |

| 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 |

| Heavy Metals | | | | |
|--------------|-----------|--------|-----|-------|
| Compound | Status | Sample | LOQ | Limit |
| | Pass/Fail | PPB | PPB | PPB |
| Arsenic | PASS | <LOQ | 47 | 2000 |
| Cadmium | PASS | <LOQ | 47 | 820 |
| Mercury | PASS | <LOQ | 47 | 400 |
| Lead | PASS | <LOQ | 47 | 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.