



Certificate of Analysis
October 25, 2018

Sample ID: FP-18-1078
Product name Plus cbd oil extra strength hemp balm
Batch/Lot#: 0227618
Strength: 100mg 37g
Expiration: 10/20

| <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 | 109.70 | HPLC | VK |
| CBDV | 3.69 | HPLC | VK |
| CBDA | 9.52 | HPLC | VK |
| CBG | 1.52 | HPLC | VK |
| CBGA | 0.00 | HPLC | VK |
| CBC | 6.29 | HPLC | VK |
| CBN | 0.00 | HPLC | VK |
| Δ ⁹ -THC | 1.87 | HPLC | VK |
| THCA | 0.00 | HPLC | VK |
| Total cannabinoids: | 132.6 mg | | |
| Sample size: | 37 g | | |
| THC by mass: | 0.0051 % | | |

Vandana
OCT 25 2018

DA
OCT 29 2018

Analyst _____ Date _____

Reviewed By _____ Date _____

Vandana Kothari, M.S., B.Pharm.
Analytical Chemist

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

1810DBL0179.5681

Batch FP-18-1078

Lot 227618

Ordered 10/24/2018

Completed 10/29/2018

Plus CBD Oil 100mg Extra Strength Hemp Balm EXP 10/20

| Cannabinoids | | | | |
|---------------------|--------------|-----------------|-----------|---------------|
| | 94.38 | 0.26 | 37 | |
| Total CBD (mg/unit) | % Total CBD | Unit weight (g) | | |
| Cannabinoid | LOQ % | Mass % | Mass mg/g | Concentration |
| CBD | 0.07 | 0.3 | 2.6 | |
| 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 | |

Total CBD = CBDa + CBD

| Microbiology | | | | |
|-----------------------|-----------|--------------------------|-------|---------|
| Quantitative Analysis | Status | Sample | LOQ | Limit |
| | Pass/Fail | CFU/g | CFU/g | CFU/g |
| Mold/Mildew/Yeast | PASS | <LOQ | 10 | 10,000 |
| Enterobacteriaceae | PASS | <LOQ | 10 | 1,000 |
| Aerobic Bacteria | PASS | <LOQ | 10 | 100,000 |
| Coliforms | PASS | <LOQ | 10 | 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 | 128 | 50 | 2000 |
| Cadmium | PASS | <LOQ | 50 | 820 |
| Mercury | PASS | <LOQ | 50 | 400 |
| Lead | PASS | <LOQ | 50 | 1200 |

| 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 |



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