



PINNACLE HEMP

N X T

G E N

B L O O M

**D10 X D8**



License No. 800025015  
 FL License # CMTL-0003  
 CLIA No. 10D1094068

# Certificate of Analysis

Compliance Test

**Pinnacle Hemp**  
 2900 Davis Blvd  
 Joplin, MO 64804

Batch # 1  
 Batch Date: 2022-02-20

Test Reg State: Oregon

Production Facility: pinnacle hemp  
 Production Date: 2022-02-20

Order # PIN220221-020001  
 Order Date: 2022-02-21  
 Sample # AACM807

Sampling Date: 2022-02-23  
 Lab Batch Date: 2022-02-23  
 Completion Date: 2022-02-28

Initial Gross Weight: 13.696 g



Potency  
 Tested

Product Image

Delta 8/Delta 10  
 Potency 12

Specimen Weight: 59.650 mg

| Analyte      | LOD (%)  | LOQ (%) | Result (mg/g) | (%)   |
|--------------|----------|---------|---------------|-------|
| CBN          | 0.000014 | 0.001   | 65.280        | 6.528 |
| Delta-10 THC | 0.000003 | 0.001   | 36.130        | 3.613 |
| Delta-8 THC  | 0.000026 | 0.001   | 27.220        | 2.722 |
| CBC          | 0.000018 | 0.001   | <LOQ          | <LOQ  |
| CBD          | 0.000054 | 0.001   | <LOQ          | <LOQ  |
| THCA-A       | 0.000032 | 0.001   | <LOQ          | <LOQ  |
| Delta-9 THC  | 0.000013 | 0.001   | <LOQ          | <LOQ  |
| CBGA         | 0.00008  | 0.001   | <LOQ          | <LOQ  |
| CBG          | 0.000248 | 0.001   | <LOQ          | <LOQ  |
| CBDV         | 0.000065 | 0.001   | <LOQ          | <LOQ  |
| CBDA         | 0.00001  | 0.001   | <LOQ          | <LOQ  |
| THCV         | 0.000007 | 0.001   | <LOQ          | <LOQ  |

Tested  
 (LCUV)

Potency Summary

|                                     |                               |
|-------------------------------------|-------------------------------|
| Total Delta 8<br>2.722%             | Total Delta 10<br>3.613%      |
| Total THC<br>None Detected          | Total CBD<br>None Detected    |
| Total CBG<br>None Detected          | Total CBN<br>6.528%           |
| Other Cannabinoids<br>None Detected | Total Cannabinoids<br>12.863% |

Xueli Gao  
 Lab Toxicologist  
 Ph.D., DABT

Aixia Sun  
 Lab Director/Principal Scientist  
 D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*Total THCV = THCV + (THCVA \* 0.87), \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Total CBC = CBC + (CBCA \* 0.877), \*Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, \*Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, \*Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, \*Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration, (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, \*Measurement of Uncertainty = +/- 10%



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FL License # CMTL-0003  
CLIA No. 10D1094068

# Certificate of Analysis

Compliance Test

**Pinnacle Hemp**  
2231 Missouri Ave  
Carthage, MO 64836

Batch # 17  
Batch Date: 2022-01-31

Test Reg State: Oregon

Production Facility: pinnacle hemp  
Production Date: 2022-01-31

Order # PIN220131-070001  
Order Date: 2022-01-31  
Sample # AACK802

Sampling Date: 2022-02-03  
Lab Batch Date: 2022-02-03  
Completion Date: 2022-02-06

Initial Gross Weight: 13.096 g



Potency  
Tested

Product Image

**Delta 8/Delta 10  
Potency 12**

Specimen Weight: 48.980 mg

| Analyte      | LOD (%)  | LOQ (%) | Result (mg/g) | (%)    |
|--------------|----------|---------|---------------|--------|
| Delta-8 THC  | 0.000026 | 0.001   | 831.400       | 83.140 |
| CBC          | 0.000018 | 0.001   | <LOQ          | <LOQ   |
| CBD          | 0.000054 | 0.001   | <LOQ          | <LOQ   |
| THCA-A       | 0.000032 | 0.001   | <LOQ          | <LOQ   |
| Delta-9 THC  | 0.000013 | 0.001   | <LOQ          | <LOQ   |
| Delta-10 THC | 0.000003 | 0.001   | <LOQ          | <LOQ   |
| CBN          | 0.000014 | 0.001   | <LOQ          | <LOQ   |
| CBGA         | 0.00008  | 0.001   | <LOQ          | <LOQ   |
| CBG          | 0.000248 | 0.001   | <LOQ          | <LOQ   |
| CBDV         | 0.000065 | 0.001   | <LOQ          | <LOQ   |
| CBDA         | 0.00001  | 0.001   | <LOQ          | <LOQ   |
| THCV         | 0.000007 | 0.001   | <LOQ          | <LOQ   |

**Tested**  
(LCUV)

**Potency Summary**

|  |  |
|--|--|
| <b>Total Delta 8</b><br>83.140%            | <b>Total Delta 10</b><br>None Detected |
| <b>Total THC</b><br>None Detected          | <b>Total CBD</b><br>None Detected      |
| <b>Total CBG</b><br>None Detected          | <b>Total CBN</b><br>None Detected      |
| <b>Other Cannabinoids</b><br>None Detected | <b>Total Cannabinoids</b><br>83.140%   |

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

Aixia Sun  
D.H.Sc., M.Sc., B.Sc., MT (AAB)  
Lab Director/Principal Scientist



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# CERTIFICATE OF ANALYSIS



## IDENTIFICATION:

**PRODUCT NAME:** Creative

**PRODUCT DESIGNATION:** Proprietary Terpene Blend - Terpology by Dr. Ethan Russo

**TT PRODUCT #:** TTEB-CRTV

**LOT #:** T106303

**INTENDED FOR USE BY:** March 2022

**CAS #:** Mixture

**EC #:** Mixture

| PARAMETER:         | SPECIFICATION:             | RESULT:                    |
|--------------------|----------------------------|----------------------------|
| <b>APPEARANCE:</b> | Clear, Light Yellow Liquid | Clear, Light Yellow Liquid |
| <b>ODOR:</b>       | Citrus, Herbal, Wood       | Citrus, Herbal, Wood       |

## Additional Product Information:

**Storage Conditions:** Stable when stored in its original container securely tightened and away from heat, open flames, sunlight, combustible materials and hot surfaces. Store in a cool, dry, and well-ventilated place.

## TRACE CONTAMINANT LEVELS:

### Test Type: Heavy Metals

| Contaminant Name | Max. Allowed (ppm) | Test Result | Contaminant Name | Max. Allowed (ppm) | Test Result |
|------------------|--------------------|-------------|------------------|--------------------|-------------|
| Arsenic          | 0.2                | PASSED      | Cadmium          | 0.2                | PASSED      |
| Lead             | 0.5                | PASSED      | Mercury          | 0.1                | PASSED      |

### Test Type: Pesticide

| Contaminant Name | Max. Allowed (ppm) | Test Result | Contaminant Name | Max. Allowed (ppm) | Test Result |
|------------------|--------------------|-------------|------------------|--------------------|-------------|
| Abamectin        | 0.07               | PASSED      | Acephate         | 0.1                | PASSED      |
| Acequinocyl      | 0.1                | PASSED      | Acetamiprid      | 0.1                | PASSED      |
| Aldicarb         | 0.4                | PASSED      | Azoxystrobin     | 0.02               | PASSED      |
| Bifenazate       | 0.02               | PASSED      | Bifenthrin       | 0.1                | PASSED      |
| Boscalid         | 0.1                | PASSED      | Captan           | 0.7                | PASSED      |

# CERTIFICATE OF ANALYSIS



## Test Type: Pesticide

| Contaminant Name    | Max. Allowed (ppm) | Test Result | Contaminant Name        | Max. Allowed (ppm) | Test Result |
|---------------------|--------------------|-------------|-------------------------|--------------------|-------------|
| Carbaryl            | 0.2                | PASSED      | Carbofuran              | 0.2                | PASSED      |
| Chlorantraniliprole | 0.2                | PASSED      | Chlordane               | 0.1                | PASSED      |
| Chlorfenapyr        | 0.2                | PASSED      | Chlorpyrifos            | 0.2                | PASSED      |
| Clofentezine        | 0.1                | PASSED      | Coumaphos               | 0.1                | PASSED      |
| Cyfluthrin          | 1                  | PASSED      | Cypermethrin            | 1                  | PASSED      |
| Daminozide          | 0.10               | PASSED      | DDVP (Dichlorvos)       | 0.1                | PASSED      |
| Diazinon            | 0.1                | PASSED      | Dimethoate              | 0.2                | PASSED      |
| Dimethomorph        | 2                  | PASSED      | Ethoprophos             | 0.2                | PASSED      |
| Etofenprox          | 0.4                | PASSED      | Etoazole                | 0.1                | PASSED      |
| Fenhexamid          | 0.1                | PASSED      | Fenoxycarb              | 0.2                | PASSED      |
| Fenpyroximate       | 0.1                | PASSED      | Fipronil                | 0.4                | PASSED      |
| Flonicamid          | 0.1                | PASSED      | Fludioxonil             | 0.1                | PASSED      |
| Hexythiazox         | 0.1                | PASSED      | Imazalil                | 0.10               | PASSED      |
| Imidacloprid        | 0.02               | PASSED      | Kresoxim-methyl         | 0.1                | PASSED      |
| Malathion           | 0.2                | PASSED      | Metalaxyl               | 0.2                | PASSED      |
| Methiocarb          | 0.2                | PASSED      | Methomyl                | 0.4                | PASSED      |
| Methyl-Parathion    | 0.2                | PASSED      | Mevinphos               | 0.1                | PASSED      |
| MGK-264             | 0.2                | PASSED      | Myclobutanil            | 0.04               | PASSED      |
| Naled               | 0.2                | PASSED      | Oxamyl                  | 0.5                | PASSED      |
| Paclobutrazol       | 0.10               | PASSED      | Pentachloronitrobenzene | 0.1                | PASSED      |
| Permethrins         | 0.04               | PASSED      | Phosmet                 | 0.1                | PASSED      |
| Piperonyl Butoxide  | 2                  | PASSED      | Prallethrin             | 0.1                | PASSED      |
| Propiconazole       | 0.1                | PASSED      | Propoxur                | 0.2                | PASSED      |
| Pyrethrins          | 0.5                | PASSED      | Pyridaben               | 0.1                | PASSED      |
| Spinetoram          | 0.1                | PASSED      | Spinosad                | 0.06               | PASSED      |
| Spiromesifen        | 0.03               | PASSED      | Spirotetramat           | 0.02               | PASSED      |
| Spiroxamine         | 0.4                | PASSED      | Tebuconazole            | 0.01               | PASSED      |
| Thiacloprid         | 0.2                | PASSED      | Thiamethoxam            | 0.2                | PASSED      |
| Trifloxystrobin     | 0.1                | PASSED      |                         |                    |             |

# CERTIFICATE OF ANALYSIS



## Test Type: Residual Solvent

| Contaminant Name            | Max. Allowed (ppm) | Test Result | Contaminant Name      | Max. Allowed (ppm) | Test Result |
|-----------------------------|--------------------|-------------|-----------------------|--------------------|-------------|
| 1,2-Dichloroethane          | 1.0                | PASSED      | 1,4-Dioxane           | 380                | PASSED      |
| 1-Butanol                   | 5000               | PASSED      | 1-Pentanol            | 5000               | PASSED      |
| 1-Propanol                  | 5000               | PASSED      | 2,2-Dimethylbutane    | 50                 | PASSED      |
| 2,3-Dimethylbutane          | 50                 | PASSED      | 2-Butanol             | 5000               | PASSED      |
| 2-Butanone                  | 5000               | PASSED      | 2-Ethoxyethanol       | 160                | PASSED      |
| 2-Methylbutane              | 750                | PASSED      | 2-Methylpentane       | 50                 | PASSED      |
| 2-Methylpropane (Isobutane) | 800                | PASSED      | 2-Propanol (IPA)      | 500                | PASSED      |
| 3-Methylpentane             | 50                 | PASSED      | Acetone               | 750                | PASSED      |
| Acetonitrile                | 60                 | PASSED      | Benzene               | 1.0                | PASSED      |
| Butane                      | 500                | PASSED      | Chloroform            | 1.0                | PASSED      |
| Cumene (Isopropyl Benzene)  | 70                 | PASSED      | Cyclohexane           | 3880               | PASSED      |
| Dimethyl Sulfoxide (DMSO)   | 5000               | PASSED      | Ethanol               | 1000               | PASSED      |
| Ethyl Acetate               | 400                | PASSED      | Ethyl Ether           | 500                | PASSED      |
| Ethylbenzene                | 150                | PASSED      | Ethylene Glycol       | 620                | PASSED      |
| Ethylene Oxide              | 1.0                | PASSED      | Heptane               | 500                | PASSED      |
| Isopropyl Acetate           | 60                 | PASSED      | m-Xylene and p-Xylene | 150                | PASSED      |
| Methanol                    | 250                | PASSED      | Methylene Chloride    | 1.0                | PASSED      |
| N,N-Dimethylacetamide       | 880                | PASSED      | N,N-Dimethylformamide | 880                | PASSED      |
| n-Hexane                    | 50                 | PASSED      | Neopentane            | 750                | PASSED      |
| o-Xylene                    | 150                | PASSED      | Pentane               | 750                | PASSED      |
| Propane                     | 500                | PASSED      | Pyridine              | 200                | PASSED      |
| Tetrahydrofuran             | 720                | PASSED      | Toluene               | 150                | PASSED      |
| Trichloroethylene           | 1.0                | PASSED      |                       |                    |             |

Branston Mefferd  
Quality Control

**Disclaimer:** This Certificate of Analysis may contain results provided by contract laboratories external to True Terpenes. This document does not relieve the purchaser from conducting their own tests in order to verify the suitability of this product for its application and to comply with all relevant legal requirements for any goods into which this product is incorporated. Botanically derived and/or synthetic compounds found in this product may contain trace compounds which can potentially result in a slight variance between lots. True Terpenes certifies that this product is not derived from cannabis nor does it contain any cannabinoids or other cannabis-derived extracts.