



PINNACLE HEMP

N X T

G E N

INSPIRE

**CBG X D8 X CBD X D10**



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

# Certificate of Analysis

Compliance Test

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

Batch # 102  
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 # AACK808

Sampling Date: 2022-02-03  
Lab Batch Date: 2022-02-03  
Completion Date: 2022-02-07

Initial Gross Weight: 12.920 g



Potency  
Tested

Product Image

**Potency - 11**

Specimen Weight: 48.980 mg

Tested  
(LCU)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBG	1000.000	0.000248	0.001	802.870	80.287
CBD	1000.000	0.000054	0.001	27.100	2.710
CBDV	1000.000	0.000065	0.001	0.880	0.088
CBC	1000.000	0.000018	0.001	0.500	0.050
Delta-9 THC	1000.000	0.000013	0.001	<LOQ	<LOQ
THCV	1000.000	0.000007	0.001	<LOQ	<LOQ
Delta-8 THC	1000.000	0.000026	0.001	<LOQ	<LOQ
CBN	1000.000	0.000014	0.001	<LOQ	<LOQ
CBGA	1000.000	0.000008	0.001	<LOQ	<LOQ
CBDA	1000.000	0.000001	0.001	<LOQ	<LOQ
THCA-A	1000.000	0.000032	0.001	<LOQ	<LOQ

**Potency Summary**

Total THC None Detected	Total CBD 2.710%
Total CBG 80.287%	Total CBN None Detected
Other Cannabinoids 0.138%	Total Cannabinoids 83.135%

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%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.





License No. 800025015  
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	0.000008	0.001	<LOQ	<LOQ
CBG	0.000248	0.001	<LOQ	<LOQ
CBDV	0.000065	0.001	<LOQ	<LOQ
CBDA	0.000001	0.001	<LOQ	<LOQ
THCV	0.000007	0.001	<LOQ	<LOQ

**Tested**  
(LCUV)

**Potency Summary**

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

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

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



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%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.



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

# Certificate of Analysis

Compliance Test

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

Batch # 23  
Batch Date: 2022-01-31

Test Reg State: Oregon

Production Facility: pinnacle hemp

Order # PIN220131-070001  
Order Date: 2022-01-31  
Sample # AACK804

Sampling Date: 2022-02-03  
Lab Batch Date: 2022-02-03  
Completion Date: 2022-02-07

Initial Gross Weight: 13.334 g



Potency  
Tested

Product Image

## Potency - 11

Specimen Weight: 53.250 mg

Tested  
(LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	1000.000	0.000054	0.001	699.390	69.939
CBC	1000.000	0.000018	0.001	29.840	2.984
Delta-9 THC	1000.000	0.000013	0.001	21.740	2.174
CBN	1000.000	0.000014	0.001	2.750	0.275
CBGA	1000.000	0.000008	0.001	0.290	0.029
Delta-8 THC	1000.000	0.000026	0.001		<LOQ
THCV	1000.000	0.000007	0.001		<LOQ
CBG	1000.000	0.000248	0.001		<LOQ
CBDV	1000.000	0.000065	0.001		<LOQ
CBDA	1000.000	0.000001	0.001		<LOQ
THCA-A	1000.000	0.000032	0.001		<LOQ

## Potency Summary

Total THC 2.174%	Total CBD 69.939%
Total CBG 0.025%	Total CBN 0.275%
Other Cannabinoids 2.984%	Total Cannabinoids 75.397%

*Xueli Gao*  
Xueli Gao  
Lab Toxicologist  
Ph.D., DABT

*Aixia Sun*  
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%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.





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	0.000008	0.001	<LOQ	<LOQ
CBG	0.000248	0.001	<LOQ	<LOQ
CBDV	0.000065	0.001	<LOQ	<LOQ
CBDA	0.000001	0.001	<LOQ	<LOQ
THCV	0.000007	0.001	<LOQ	<LOQ

Tested  
(LCUV)

Potency Summary

Total Delta 8 2.722%	Total Delta 10 3.613%
Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN 6.528%
Other Cannabinoids None Detected	Total Cannabinoids 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%



This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.

# 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	Etoxazole	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.