



PRODUCT SPECIFICATION:

## TFFENG1500 - Focused Formula Tincture, Energy (1500 mg)

### Description

Focused Formula Tincture, Energy (1500 mg) is an ingestible personal care finished product. Cannabinoids used in this product are extracted from Federally Compliant, USA Grown Industrial Hemp in accordance with the Nevada Department of Agriculture *State of Nevada Hemp Plan* and Nevada Revised Statutes (NRS) 557.

### Cannabinoid Profile

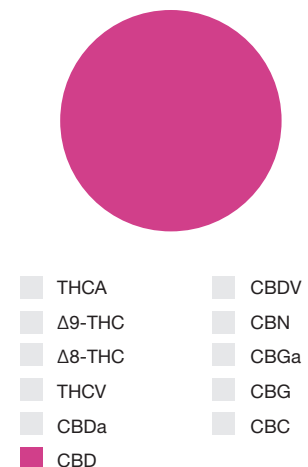
Cannabinoid	Specification			Minimum		Maximum	
	LOQ (%)	Weight (%)	(mg/unit)	Weight (%)	(mg/unit)	Weight (%)	(mg/unit)
THCA	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
Δ9-THC	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
Δ8-THC	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
THCV	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
CBDa	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
CBD	0.010	5.072	1500.00	4.565	1350.00	5.579	1650.00
CBDV	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
CBN	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
CBGa	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
CBG	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
CBC	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
MAX THC		< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
MAX CBD		5.072	1500.00	4.565	1350.00	5.579	1650.00
TOTAL ACTIVE		5.072	1500.00	4.565	1350.00	5.579	1650.00

LOQ = Limit of Quantitation | Max THC = THCa\* 0.877 + Δ9-THC + Δ8-THC | Max CBD = CBDa\* 0.877 + CBD | Unit = 29.573 g (1 oz)











### General Information

Item Code:	TFFENG1500
Country of Origin:	USA
Organic Certification:	Not Certified
Cannabinoid Concentrate(s):	Cannabidiol Isolate
Carrier Oil:	Coconut Oil (MCT) or Organic Hemp Seed Oil
Flavor Agents:	Oil soluble natural flavors
Container:	30 mL amber glass Boston Round bottle
Closure:	20-400 black ring dropper with metered pipette
Typical Batch ID (format):	ID220301T1500ENG

### Cannabinoid Distribution




## Terpenoid Profile

Terpene	LOQ (%)	Specification		Minimum		Maximum	
		Weight (%)	(mg/unit)	Weight (%)	(mg/unit)	Weight (%)	(mg/unit)
 Terpinolene	0.0164	<b>0.263</b>	<b>77.78</b>	0.236	70.00	0.289	85.56
 $\beta$ -Caryophyllene	0.0164	<b>0.182</b>	<b>53.82</b>	0.164	48.45	0.200	59.20
 Linalool	0.0164	<b>0.138</b>	<b>40.81</b>	0.124	36.73	0.152	44.89
 $\alpha$ -Humulene	0.0164	<b>0.117</b>	<b>34.60</b>	0.105	31.14	0.129	38.06
 $\beta$ -Myrcene	0.0164	<b>0.098</b>	<b>28.98</b>	0.088	26.08	0.108	31.88
 $\delta$ -Limonene	0.0164	<b>0.094</b>	<b>27.79</b>	0.085	25.01	0.103	30.56
 $\alpha$ -Pinene	0.0164	<b>0.077</b>	<b>22.77</b>	0.069	20.49	0.085	25.05
 Caryophyllene Oxide	0.0164	<b>0.020</b>	<b>5.91</b>	0.018	5.31	0.022	6.50
 $\beta$ -Pinene	0.0164	< LOQ	<b>4.40</b>	< LOQ	3.96	< LOQ	4.84
 $\alpha$ -Terpineol	0.0164	< LOQ	<b>1.60</b>	< LOQ	1.44	< LOQ	1.76
<b>TOTAL TERPENES</b>		<b>1.00</b>	<b>300.00</b>	0.90	270.00	1.10	330.00

LOQ = Limit of Quantitation | Terpenoid Profile reflects standard 1% terpene blend concentration. | Unit = 29.573 g (1 oz)



## Terpenes Assay

<b><math>\alpha</math>-Bisabolol</b>	LOQ: 0.0164%	Specification: <LOQ%
<b><math>\alpha</math>-Humulene</b>	LOQ: 0.0164%	Specification: +/- 0.12% (~35 mg / unit)
<b><math>\alpha</math>-Pinene</b>	LOQ: 0.0164%	Specification: +/- 0.08% (~23 mg / unit)
<b><math>\alpha</math>-Terpinene</b>	LOQ: 0.0164%	Specification: <LOQ%
<b><math>\alpha</math>-Terpineol</b>	LOQ: 0.0164%	Specification: +/- 0.006% (~2 mg / unit)
<b><math>\beta</math>-Caryophyllene</b>	LOQ: 0.0164%	Specification: +/- 0.18% (~54 mg / unit)
<b><math>\beta</math>-Myrcene</b>	LOQ: 0.0164%	Specification: +/- 0.10% (~29 mg / unit)
<b><math>\beta</math>-Pinene</b>	LOQ: 0.0164%	Specification: +/- 0.008% (~4 mg / unit)
<b>Camphene</b>	LOQ: 0.0164%	Specification: <LOQ%
<b>Caryophyllene Oxide</b>	LOQ: 0.0164%	Specification: +/- 0.02% (~6 mg / unit)
<b><math>\delta</math>-3-Carene</b>	LOQ: 0.0164%	Specification: <LOQ%
<b><math>\delta</math>-Limonene</b>	LOQ: 0.0164%	Specification: +/- 0.09% (~28 mg / unit)
<b><math>\gamma</math>-Terpinene</b>	LOQ: 0.0164%	Specification: <LOQ%
<b>Geraniol</b>	LOQ: 0.0164%	Specification: <LOQ%
<b>Linalool</b>	LOQ: 0.0164%	Specification: +/- 0.14% (~41 mg / unit)
<b>Nerolidol</b>	LOQ: 0.0164%	Specification: <LOQ%
<b>Ocimene</b>	LOQ: 0.0164%	Specification: <LOQ%
<b>(-)-Guaiol</b>	LOQ: 0.0164%	Specification: <LOQ%
<b>(-)-Isopulegol</b>	LOQ: 0.0164%	Specification: <LOQ%
<b>p-Cymene</b>	LOQ: 0.0164%	Specification: <LOQ%
<b>Terpinolene</b>	LOQ: 0.0164%	Specification: +/- 0.26% (~78 mg / unit)

<b>Application and Use</b>	Consumer product formulation finished product manufactured in accordance with all applicable laws and regulations.
<b>Composition</b>	5.072% Cannabidiol (CBD) isolate, 1% terpenes by weight, 93.93% carrier oil and flavoring agents (if applicable)
<b>Storage and Shelf Life</b>	24 months from date of production when stored in original packaging in a cool, dark and dry location.
<b>Irradiation, ETO, and Sewage Sludge</b>	No ionizing radiation, ethylene oxide, sewage, or sludge is used in the manufacturing process.
<b>Residual Solvents</b>	No solvents are used in the manufacturing process. Any residual solvents in cannabinoid concentrations have been reduced by the manufacturing process to levels below those defined in (NRS) 557.
<b>Pesticides</b>	No pesticides are used in the manufacturing process. All materials are tested for pesticide residues and meet the specifications of (NRS) 557.
<b>Food Allergens</b>	No known food allergens are used in the manufacturing process.
<b>GRAS Status</b>	This product is generally regarded as safe.
<b>Appearance</b>	Clear low viscosity liquid

### Cannabinoids Assay

Cannabinoid Potency - Testing Methods: <i>HPLC, UPLC, SFC</i>		
<b>Cannabidiol (CBD)</b>	LOQ: 0.010%	Specification: +/-5.07% (~1500 mg/unit)
<b>Tetrahydrocannabinol (<math>\Delta^9</math>-THC)</b>	LOQ: 0.010%	Specification: <LOQ%
<b>Tetrahydrocannabinolic Acid (THCa)</b>	LOQ: 0.010%	Specification: <LOQ%
<b>Cannabigerol (CBG)</b>	LOQ: 0.010%	Specification: <LOQ%
<b>Cannabidiolic Acid (CBDa)</b>	LOQ: 0.010%	Specification: <LOQ%
<b>Tetrahydrocannabivarin (THCV)</b>	LOQ: 0.010%	Specification: <LOQ%
<b>Cannabichromene (CBC)</b>	LOQ: 0.010%	Specification: <LOQ%
<b>Cannabinol (CBN)</b>	LOQ: 0.010%	Specification: <LOQ%
<b>Delta-8-Tetrahydrocannabinol (<math>\Delta^8</math>-THC)</b>	LOQ: 0.010%	Specification: <LOQ%
<b>Cannabigerolic Acid (CBGa)</b>	LOQ: 0.010%	Specification: <LOQ%
<b>Cannabidivarin (CBDV)</b>	LOQ: 0.010%	Specification: <LOQ%

### Heavy Metals Assay

<b>Arsenic</b>	LOQ: 136.761 PPB	Specification: <LOQ%
<b>Cadmium</b>	LOQ: 136.761 PPB	Specification: <LOQ%
<b>Lead</b>	LOQ: 136.761 PPB	Specification: <LOQ%
<b>Mercury</b>	LOQ: 136.761 PPB	Specification: <LOQ%

### Microbials Assay

<b>Coliforms</b>	Specification: < 1,000 CFU/g	<b>Aerobic Bacteria</b>	Specification: Not Detected
<b>Total Yeasts &amp; Molds</b>	Specification: <1,000 CFU/g	<b>Powdery Mildew</b>	Specification: Not Detected
<b>STEC E. coli</b>	Specification: Not Detected	<b>Aspergillus niger</b>	Specification: Not Detected
<b>Salmonella</b>	Specification: Not Detected	<b>Aspergillus flavus</b>	Specification: Not Detected

### Mycotoxins Assay

<b>Aflatoxins</b>	LOQ: 5.00 PPB	Specification: <LOQ%
<b>Ochratoxin A</b>	LOQ: 5.00 PPB	Specification: <LOQ%

### Residual Solvents Assay

<b>1,4 Dioxane</b>	LOQ: 100 PPM	Spec: <LOQ%	<b>Pentanes</b>	LOQ: 500 PPM	Spec: <LOQ%
<b>2-Butanol</b>	LOQ: 500 PPM	Spec: <LOQ%	<b>n-Pentane</b>	LOQ: 500 PPM	Spec: <LOQ%
<b>2-Ethoxy-Ethanol</b>	LOQ: 100 PPM	Spec: <LOQ%	<b>Isopentane</b>	LOQ: 500 PPM	Spec: <LOQ%
<b>2-Propanol IPA</b>	LOQ: 500 PPM	Spec: <LOQ%	<b>Neopentane</b>	LOQ: 500 PPM	Spec: <LOQ%
<b>Acetone</b>	LOQ: 500 PPM	Spec: <LOQ%	<b>Butanes</b>	LOQ: 500 PPM	Spec: <LOQ%
<b>Acetonitrile</b>	LOQ: 100 PPM	Spec: <LOQ%	<b>n-Butane</b>	LOQ 500 PPM	Spec: <LOQ%
<b>Benzene Cumene</b>	LOQ: 1 PPM	Spec: <LOQ%	<b>Isobutane</b>	LOQ: 500 PPM	Spec: <LOQ%
<b>Cyclohexane</b>	LOQ: 50 PPM	Spec: <LOQ%	<b>Hexanes</b>	LOQ: 50 PPM	Spec: <LOQ%
<b>Dichloromethane</b>	LOQ: 500 PPM	Spec: <LOQ%	<b>n-Hexane</b>	LOQ: 50 PPM	Spec: <LOQ%
<b>Ethyl-Acetate</b>	LOQ: 100 PPM	Spec: <LOQ%	<b>2-Methyl-Pentane</b>	LOQ: 50 PPM	Spec: <LOQ%
<b>Ethyl-Ether</b>	LOQ: 500 PPM	Spec: <LOQ%	<b>3-Methyl-Pentane</b>	LOQ: 50 PPM	Spec: <LOQ%
<b>Ethylene-Glycol</b>	LOQ: 500 PPM	Spec: <LOQ%	<b>2,2-Dimethyl-Butane</b>	LOQ: 50 PPM	Spec: <LOQ%
<b>Ethylene Oxide</b>	LOQ: 300 PPM	Spec: <LOQ%	<b>2,3-Dimethyl-Butane</b>	LOQ: 50 PPM	Spec: <LOQ%
<b>Heptane</b>	LOQ: 20 PPM	Spec: <LOQ%	<b>Xylenes</b>	LOQ: 300 PPM	Spec: <LOQ%
<b>Isopropyl-Acetate</b>	LOQ: 500 PPM	Spec: <LOQ%	<b>m-Xylene</b>	LOQ: 300 PPM	Spec: <LOQ%
<b>Methanol</b>	LOQ: 500 PPM	Spec: <LOQ%	<b>o-Xylene</b>	LOQ: 300 PPM	Spec: <LOQ%
<b>Propane</b>	LOQ: 100 PPM	Spec: <LOQ%	<b>p-Xylene</b>	LOQ: 300 PPM	Spec: <LOQ%
<b>Terahydrofuran</b>	LOQ: 500 PPM	Spec: <LOQ%	<b>Ethyl-Benzene</b>	LOQ: 300 PPM	Spec: <LOQ%
<b>Tolulene</b>	LOQ: 100 PPM	Spec: <LOQ%			

### Pesticides Assay

<b>Abamectin</b>	LOQ: 1.00 PPM	Spec: <LOQ%	<b>Fludioxonil</b>	LOQ: 1.00 PPM	Spec: <LOQ%
<b>Acequinocyl</b>	LOQ: 0.50 PPM	Spec: <LOQ%	<b>Imidacloprid</b>	LOQ: 1.00 PPM	Spec: <LOQ%
<b>Bifenazate</b>	LOQ: 1.00 PPM	Spec: <LOQ%	<b>Mycobutanil</b>	LOQ: 1.00 PPM	Spec: <LOQ%
<b>Bifenthrin</b>	LOQ: 1.00 PPM	Spec: <LOQ%	<b>Paclobutrazol</b>	LOQ: 1.00 PPM	Spec: <LOQ%
<b>Cyfluthrin</b>	LOQ: 0.30 PPM	Spec: <LOQ%	<b>Piperonyl Butoxide</b>	LOQ: 0.50 PPM	Spec: <LOQ%
<b>Cypermethrin</b>	LOQ: 1.00 PPM	Spec: <LOQ%	<b>Pyrethins</b>	LOQ: 0.50 PPM	Spec: <LOQ%
<b>Daminozide</b>	LOQ: 1.00 PPM	Spec: <LOQ%	<b>Quintozene</b>	LOQ: 1.00 PPM	Spec: <LOQ%
<b>Dimethomorph</b>	LOQ: 1.00 PPM	Spec: <LOQ%	<b>Spinetoram</b>	LOQ: 1.00 PPM	Spec: <LOQ%
<b>Etoxazole</b>	LOQ: 1.00 PPM	Spec: <LOQ%	<b>Spinosad</b>	LOQ: 1.00 PPM	Spec: <LOQ%
<b>Fenhexamid</b>	LOQ: 1.00 PPM	Spec: <LOQ%	<b>Spirotetramat</b>	LOQ: 1.00 PPM	Spec: <LOQ%
<b>Fonicamid</b>	LOQ: 1.00 PPM	Spec: <LOQ%	<b>Thiamethoxam</b>	LOQ: 1.00 PPM	Spec: <LOQ%

## ADDITIONAL INFORMATION

This information is provided for documentation purposes only and is not intended to replace independent 3rd party lab analysis.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any end use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information for customized products that vary from these product specifications.

### QUALITY ASSURANCE DOCUMENTS:



### GMP COMPLIANCE STATEMENT



Covalent CC, LLC operates under current Good Manufacturing Practices (cGMP) and has established the internationally recognized Hazard Analysis and Critical Control Points (HACCP) system for consumer product safety standards. To achieve our goal, we:

- Apply sound safety technology, science, and industry best practices into our quality systems
- Perform regular identification of hazards, determination of critical control points and timely implementation of effective control and monitoring measures
- Conform to regulatory requirements and the agreed customer requirements
- Define product safety objectives and continually review to ensure consistent compliance
- Communicate, implement and maintain this policy at all levels of the company
- Employ consistent staff, contract manufacturers and source from reliable suppliers
- Provide our personnel with adequate information, training, instructions, tools and equipment to perform their job in a hygienic and professional manner
- Promote personal hygiene and cleanliness to our staff, contractors, suppliers and visitors
- We strive to continually improve our processes to ensure the delivery of safe consumer products through efficient, effective and suitable safety management systems



**Kelly Ann Bortman**  
Founder & President