



PRODUCT SPECIFICATION:

TFFPM1500 - Focused Formula Tincture, Pain Management (1500 mg)

Description

Focused Formula Tincture, Pain Management (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

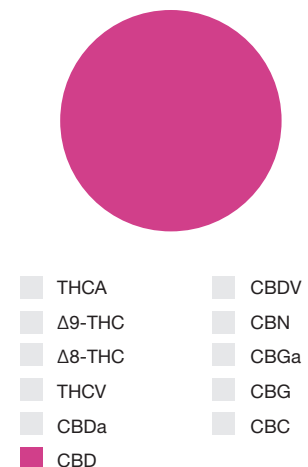
Cannabinoid	Specification			Minimum		Maximum	
	LOQ (%)	Weight (%)	(mg/unit)	Weight (%)	(mg/unit)	Weight (%)	(mg/unit)
THCA	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
Δ9-THC	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
Δ8-THC	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ
THCV	0.010	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	< 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:	TFFPM1500
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):	ID220301T1500PM

Cannabinoid Distribution




Terpenoid Profile

Terpene	LOQ (%)	Specification		Minimum		Maximum	
		Weight (%)	(mg/unit)	Weight (%)	(mg/unit)	Weight (%)	(mg/unit)
 β-Myrcene	0.0164	0.252	74.52	0.227	67.07	0.277	81.92
 α-Pinene	0.0164	0.184	54.41	0.165	48.97	0.202	59.85
 β-Pinene	0.0164	0.138	40.81	0.124	36.73	0.152	44.89
 β-Caryophyllene	0.0164	0.127	37.55	0.114	33.79	0.140	41.30
 δ-Limonene	0.0164	0.108	31.94	0.097	28.75	0.118	35.13
 α-Humulene	0.0164	0.104	30.76	0.093	27.68	0.114	33.84
 1,8-Cineole	0.0164	0.087	25.73	0.078	23.16	0.096	28.30
TOTAL TERPENES		1.00	300.00	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

α-Bisabolol	LOQ: 0.0164%	Specification: <LOQ%
α-Humulene	LOQ: 0.0164%	Specification: +/- 0.10% (~30 mg / unit)
α-Pinene	LOQ: 0.0164%	Specification: +/- 0.18% (~54 mg / unit)
α-Terpinene	LOQ: 0.0164%	Specification: <LOQ%
α-Terpineol	LOQ: 0.0164%	Specification: <LOQ%
β-Caryophyllene	LOQ: 0.0164%	Specification: +/- 0.08% (~23 mg / unit)
β-Myrcene	LOQ: 0.0164%	Specification: +/- 0.13% (~38 mg / unit)
β-Pinene	LOQ: 0.0164%	Specification: +/- 0.14% (~41 mg / unit)
1,8-Cineole	LOQ: 0.0164%	Specification: +/- 0.09% (~26 mg / unit)
Camphene	LOQ: 0.0164%	Specification: <LOQ%
Caryophyllene Oxide	LOQ: 0.0164%	Specification: <LOQ%
δ-3-Carene	LOQ: 0.0164%	Specification: <LOQ%
δ-Limonene	LOQ: 0.0164%	Specification: +/- 0.11% (~32 mg / unit)
γ-Terpinene	LOQ: 0.0164%	Specification: <LOQ%
Fenchol	LOQ: 0.0164%	Specification: <LOQ%
Linalool	LOQ: 0.0164%	Specification: <LOQ%
Nerolidol	LOQ: 0.0164%	Specification: <LOQ%
Ocimene	LOQ: 0.0164%	Specification: <LOQ%
(-)-Guaial	LOQ: 0.0164%	Specification: <LOQ%
(-)-Isopulegol	LOQ: 0.0164%	Specification: <LOQ%
Terpinolene	LOQ: 0.0164%	Specification: <LOQ%

Application and Use	Consumer product formulation finished product manufactured in accordance with all applicable laws and regulations.
Composition	10.14% Cannabidiol (CBD) isolate, 1% terpenes by weight, 88.86% carrier oil and flavoring agents (if applicable)
Storage and Shelf Life	24 months from date of production when stored in original packaging in a cool, dark and dry location.
Irradiation, ETO, and Sewage Sludge	No ionizing radiation, ethylene oxide, sewage, or sludge is used in the manufacturing process.
Residual Solvents	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.
Pesticides	No pesticides are used in the manufacturing process. All materials are tested for pesticide residues and meet the specifications of (NRS) 557.
Food Allergens	No known food allergens are used in the manufacturing process.
GRAS Status	This product is generally regarded as safe.
Appearance	Clear low viscosity liquid

Cannabinoids Assay

Cannabinoid Potency - Testing Methods: <i>HPLC, UPLC, SFC</i>		
Cannabidiol (CBD)	LOQ: 0.010%	Specification: +/-10.14% (~3000 mg/unit)
Tetrahydrocannabinol (Δ^9-THC)	LOQ: 0.010%	Specification: <LOQ%
Tetrahydrocannabinolic Acid (THCa)	LOQ: 0.010%	Specification: <LOQ%
Cannabigerol (CBG)	LOQ: 0.010%	Specification: <LOQ%
Cannabidiolic Acid (CBDa)	LOQ: 0.010%	Specification: <LOQ%
Tetrahydrocannabivarin (THCV)	LOQ: 0.010%	Specification: <LOQ%
Cannabichromene (CBC)	LOQ: 0.010%	Specification: <LOQ%
Cannabinol (CBN)	LOQ: 0.010%	Specification: <LOQ%
Delta-8-Tetrahydrocannabinol (Δ^8-THC)	LOQ: 0.010%	Specification: <LOQ%
Cannabigerolic Acid (CBGa)	LOQ: 0.010%	Specification: <LOQ%
Cannabidivarin (CBDV)	LOQ: 0.010%	Specification: <LOQ%

Heavy Metals Assay

Arsenic	LOQ: 136.761 PPB	Specification: <LOQ%
Cadmium	LOQ: 136.761 PPB	Specification: <LOQ%
Lead	LOQ: 136.761 PPB	Specification: <LOQ%
Mercury	LOQ: 136.761 PPB	Specification: <LOQ%

Microbials Assay

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

Mycotoxins Assay

Aflatoxins	LOQ: 5.00 PPB	Specification: <LOQ%
Ochratoxin A	LOQ: 5.00 PPB	Specification: <LOQ%

Residual Solvents Assay

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

Pesticides Assay

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

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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

A handwritten signature in cursive script that reads 'Kelly Ann Bortman'.

Kelly Ann Bortman
Founder & President