

Comprehensive Analysis Report

Sample Overview

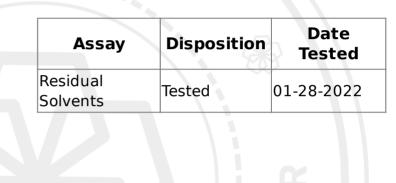
Client: ProHemp, LLC

Sample Name: ProHemp Full 1000 Berry Tincture

Sample Matrix: Tincture

Sample Lot: bh1000f b 357 21 357

Date Received: 01/28/2022 APRC #: OTC220128B



Instrument Analysis Report



Residual Solvents

Method: 1-2027.02 Sample Name: ProHemp Full 1000 Berry Tincture APRC Lot Number: OTC220128B

Residual Solvent	Finding (μg/g)	Action Level (μg/g)	Pass/Fai
Dimethyl sulfoxide	ND	5000	Pass
N,N-dimethylacetamide	ND	1090	Pass
1,2 Dimethoxyethane	ND	100	Pass
1,4 Dioxane	ND	380	Pass
1-Butanol	ND	5000	Pass
1-Pentanol	ND	5000	Pass
1-Propanol	ND	5000	Pass
2-Butanone	ND	5000	Pass
2-Butanol	ND	5000	Pass
2-Ethoxyethanol	ND	160	Pass
2-Methylbutane	ND	5000	Pass
2-Propanol	20.697	5000	Pass
Acetone	ND	5000	Pass
Acetonitrile	ND	410	Pass
Benzene	ND	2	Pass
Butane	ND	5000	Pass
Cumene	ND	70	Pass
Cyclohexane	ND	3880	Pass
Dichloromethane	ND	600	Pass
2,2-Dimethylbutane	ND	290	Pass
2,3-Dimethylbutane	ND	290	Pass
m,p-Xylene	ND	See Total Xylenes	Pass
o-Xylene	ND	See Total Xylenes	Pass
Ethanol	205.533	5000	Pass
Ethyl Acetate	ND	5000	Pass
Ethyl Benzene	ND	See Total Xylenes	Pass
Ethyl Ether	ND	5000	Pass
Ethylene Glycol	ND	620	Pass
Ethylene Oxide	ND	50	Pass

Residual Solvent	Finding (µg/g)	Action Level (μg/g)	Pass/Fail
Heptane	ND	5000	Pass
Hexane	ND	290	Pass
Isopropyl Acetate	ND	5000	Pass
Methanol	ND	3000	Pass
Methylpropane	ND	5000	Pass
2-Methylpentane	ND	290	Pass
3-Methylpentane	ND	290	Pass
N,N-Dimethylformamide	ND	880	Pass
Pentane	ND	5000	Pass
Propane	ND	5000	Pass
Pyridine	ND	100	Pass
Sulfolane	ND	160	Pass
Tetrahydrofuran	ND	720	Pass
Toluene	ND	890	Pass
Total Xylenes	ND	2170	Pass

† Per Utah state code 4-41a-701(3) Section R68-29-6

‡ Total Xylenes is a combination of the following: o-Xylene, m-Xylene, p-Xylene, and Ethylbenzene

Overall Disposition: Pass

Performed By: William Deutschman

Reviewed By: Riley Hunter

Approved By: Riley Hunter 02/01/2022



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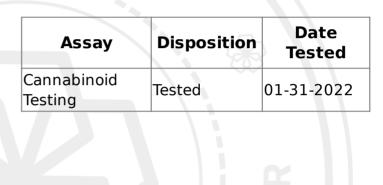
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Instrument Analysis Report

Potency

Method: SOP 1-2026.01 Sample Name: ProHemp Full 1000 Berry Tincture APRC Lot Number: OTC220128B

Cannabinoid	RT	Total %	Total mg/g
Cannabidivarin	2.20	0.02	0.17
Cannabidiolic Acid	ND	ND	ND
Cannabigerolic Acid	ND	ND	ND
Cannabigerol	3.08	0.06	0.62
Cannabidiol	3.25	3.18	31.76
Tetrahydrocannabivarin	ND	ND	ND
Cannabinol	4.78	0.01	0.08
Delta-9-Tetrahydrocannabinol	6.00	0.19	1.85
Delta-8-Tetrahydrocannabinol	ND	ND	ND
Cannabichromene	7.53	0.14	1.43
Tetrahydrocannabinolic acid	ND	ND	ND

Performed by: Spencer Kipfmueller

Reviewed by: Cierra Gunn

	%	mg/g
Total Cannabinoids	3.59	35.91
Total THC ^t	0.19	1.85
Total CBDs	3.18	31.76

^tTotal Thc is calculated by $\Delta 9$ -THC +(THCA-A*0.877)

^STotal CBD is calculated by CBD + (CBDA*0.877)

Approved By: Cierra Gunn 02/01/2022

Cima L

Aromatic Plant Research Center 230 N 1200 E STE 100 Lehi, UT 84043 www.aromaticplant.org



PCR-Microarray Analysis Report

Microbial Certificate of Analysis

Client: ProHemp, LLC Date Received: 01/28/2022 Sample Name: ProHemp Full 1000 Berry Tincture Date Tested: 01/28/2022

Sample Matrix: Tincture APRC #: OTC220128B

Sample Lot: bh1000f b 357 21 357

Total Counts			
Group	Result	Specification†	Disposition
Total Aerobic Bacteria	12,000	Report Only	Tested
Total Bile Tolerant Gram-Negative Bacteria	490	Report Only	Tested
Total Enterobacteria/Coliforms	490	Report Only	Tested
Total Yeast and Mold	100	Report Only	Tested

Specific Organism Identification			
Organism	Result	Specification†	Disposition
Aspergillus flavus	ND	Report Only	Tested
Aspergillus fumigatus	ND	Report Only	Tested
Aspergillus niger	ND	Report Only	Tested
Aspergillus terreus	ND	Report Only	Tested
Escherichia coli – Non shigella	ND	Report Only	Tested
Escherichia coli – Shigella spp.‡	ND	Report Only	Tested
Listeria monocytogenes	ND	Report Only	Tested
Salmonella – Specific Gene	ND	Report Only	Tested
Staphylococcus aureus	ND	Report Only	Tested
Pseudomonas aeruginosa	ND	Report Only	Tested

† -	Per	Utah	State	R68-29-8	requirements
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Analyzed by:	J. Morley	Notes:
		Foreign Matter: ND
Reviewed by:	C. Gunn	

^{‡ -} Interpretation is based on presence of Shigella specific genes along with positive findings of STX1 and STX2 genes.



ProHemp Full 1000 Berry Tincture_bh1000f b 357 21 357_OTC220128B_1282022_1742 PM_002

Sample ID: OTC220128B

Date acquired: 1/28/2022 6:01:40 PM

Acquired by: Admin

Data File: C:\LabSolutions\Data\ProHemp Full 1000 Berry Tincture_bh1000f b 357 21 357_OTC220128B_1282022_1742 PM_002.lcd

Vial: 32 | Inj. Volume: 1.0000uL | Tray: 1

Name	Conc.	Unit	Comment 1	Comment 2
Abamectin B1a		ppm	0.5 ppm limit	LOQ = 0.0005 ppm
Acephate		ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Acequinocyl		ppm	2 ppm limit	LOQ = 0.0005 ppm
Acetamiprid		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Aldicarb			0.4 ppm limit	LOQ = 0.0005 ppm
Azoxystrobin			0.2 ppm limit	LOQ = 0.0005 ppm
Bifenazate			0.2 ppm limit	LOQ = 0.0005 ppm
Bifenthrin			0.2 ppm limit	LOQ = 0.0005 ppm
Boscalid			0.4 ppm limit	LOQ = 0.0005 ppm
Carbaryl		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Carbofuran			0.2 ppm limit	LOQ = 0.0005 ppm
Chlorantraniliprole			0.2 ppm limit	LOQ = 0.0005 ppm
Chlorfenapyr			1 ppm limit	LOQ = 0.0005 ppm
Chlorpyrifos		P P	0.2 ppm limit	LOQ = 0.0005 ppm
Clofentezine			0.2 ppm limit	LOQ = 0.0005 ppm
Cyfluthrin		ppm	1 ppm limit	LOQ = 0.005 ppm
Cypermethrin			1 ppm limit	LOQ = 0.0005 ppm
Daminozide		ppm	1 ppm limit	LOQ = 0.0005 ppm
Diazinon			0.2 ppm limit	LOQ = 0.005 ppm
Dichlorvos (DDVP)			0.1 ppm limit	LOQ = 0.0025 ppm LOQ = 0.0005 ppm
Dimethoate Ethoprophos			0.2 ppm limit	**
Ethoprophos			0.2 ppm limit	LOQ = 0.0005 ppm
Etofenprox			0.4 ppm limit	LOQ = 0.0005 ppm
Etoxazole		P P · · ·	0.2 ppm limit	LOQ = 0.0005 ppm
Fenoxycarb			0.2 ppm limit	LOQ = 0.0005 ppm
Fenpyroximate		ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Fipronil			0.4 ppm limit	LOQ = 0.005 ppm
Flonicamid		P P · · ·	1 ppm limit	LOQ = 0.0005 ppm
Fludioxonil		ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Hexythiazox		ppm	1 ppm limit	LOQ = 0.0005 ppm
Imazalil		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Imidacloprid		ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Kresoxim-methyl		ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Malathion		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Metalaxyl		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Methiocarb		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Methomyl		ppm	0.4 ppm limit	LOQ = 0.0005 ppm
MGK 264 (Pyrodone)		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Myclobutanil		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Naled		ppm	0.5 ppm limit	LOQ = 0.0005 ppm
Oxamyl		ppm	1 ppm limit	LOQ = 0.0005 ppm
Paclobutrazol		ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Parathion Methyl		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Permethrins		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Phosmet		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Piperonyl butoxide		ppm	2 ppm limit	LOQ = 0.0005 ppm
Prallethrin		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Propiconazole		ppm	0.4 ppm limit	LOQ = 0.0005 ppm
Propoxur		ppm	0.2 ppm limit	LOQ = 0.0005 ppm
Pyrethrin I		ppm	0.5 ppm limit	LOQ = 0.0005 ppm
Pyrethrin II			0.5 ppm limit	LOQ = 0.0005 ppm
Pyridaben			0.2 ppm limit	LOQ = 0.0005 ppm
Spinosad A			0.1 ppm limit	LOQ = 0.0005 ppm
Spinosad D			0.1 ppm limit	LOQ = 0.0005 ppm
Spiromesifen			0.2 ppm limit	LOQ = 0.0005 ppm
Spirotetramat			0.2 ppm limit	LOQ = 0.0005 ppm
Spiroxamine			0.4 ppm limit	LOQ = 0.0005 ppm
Tebuconazole			0.4 ppm limit	LOQ = 0.0005 ppm
Thiacloprid			0.2 ppm limit	LOQ = 0.0005 ppm
		P P	0.2 ppm limit	* *
Thiamethoxam Trifleys (trobin				LOQ = 0.0005 ppm
Trifloxystrobin		ppm	0.2 ppm limit	LOQ = 0.0005 ppm

Comment: Pass

Analyzed by: Dr. Noura Dosoky Reviewd by: Dr. Prabodh Satyal **Date:** 1/30/2022 **Date:** 1/30/2022 Page 1 of 1



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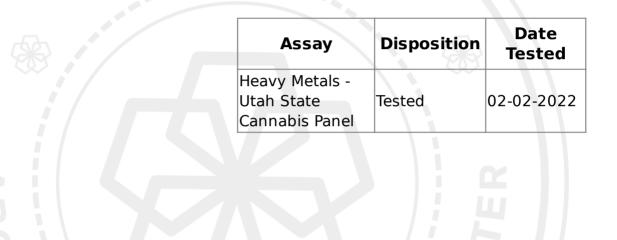
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Sample Lot: bh1000f b 357 21 357

APRC	#:	OTC220128B

Date Received: 01/28/2022





Heavy Metals

Method: CTLA Sample Name: ProHemp Full 1000 Berry Tincture APRC Lot Number: OTC220128B

Analyte	Result (ppm)	LOD (ppm)	Threshold (ppm)	Pass/Fail
Arsenic	<0.001	0.001	2.00	Pass
Cadmium	<0.001	0.001	0.82	Pass
Lead	0.002	0.001	1.20	Pass
Mercury	<0.001	0.001	0.40	Pass

Heavy metal analysis is completed in partnership with Contract Testing Laboratories of America, Orem UT.

Performed by: CTLA

Reviewed by: Cierra Gunn

Approved By: Cierra Gunn 02/02/2022

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