

Lab Report

Product: Full Spectrum CBD Oil Tincture - 1500mg

Lot Number: 0922208041

Type: Full Spectrum Phytocannabinoid-Rich Hemp Oil



Cannabinoid Profile

							1 Unit = bottle, 29.44 g. 1 mL = 0.92 g.						
Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit
THCa	0.0368	0.0123	ND	ND	ND	ND	CBDV	0.0368	0.0049	0.073	0.73	0.67	21.58
Δ9-THC	0.0368	0.0053	0.143	1.43	1.32	42.22	CBN	0.0368	0.0074	0.023	0.23	0.21	6.83
Δ8-THC	0.0368	0.0055	ND	ND	ND	ND	CBGa	0.0534	0.0178	ND	ND	ND	ND
THCV	0.0368	0.0048	ND	ND	ND	ND	CBG	0.0368	0.0061	0.109	1.09	1.00	32.06
CBDa	0.0368	0.0059	ND	ND	ND	ND	CBC	0.0444	0.0148	0.301	3.01	2.77	88.53
CBD	0.0368	0.0050	5.435	54.35	50.00	1600.07	Total THC			0.14	1.43	1.32	42.22
							Total CBD			5.44	54.35	50.00	1600.07
							Total			6.08	60.85	55.98	1791.29

Total THC=THCa * 0.877 + d9-THC; Total CBD = CBDa * 0.877 + CBD. LOD= Limit of Detection, LOQ= Limit of Quantitation, ND= Not Detected, NR= Not Reported. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids:UHPLC-DAD(POT-INST-005);Moisture:Moisture Analyzer(MOISTURE-001);Water Activity:Water Activity Meter(WA-INST-002); Foreign Material:Microscope(FOREIGN-001). Density measured at 19-24 °C, Water Activity measured at 0-90% RH. All QA submitted by the client. All CA State Compliance sampled using SAMPL-SOP-001.

Terpene Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
Menthol	0.151	0.033	0.2956	2.956	cis-Nerolidol	0.281	0.094	ND	ND
Eucalyptol	0.215	0.072	0.0443	0.443	Citronellol	0.598	0.138	ND	ND
α-Bisabolol	0.201	0.067	0.0430	0.430	δ-3-Carene	0.306	0.014	ND	ND
α-Cedrene	0.151	0.041	ND	ND	δ-Limonene	0.306	0.096	<LOQ	<LOQ
α-Humulene	0.151	0.010	<LOQ	<LOQ	Fenchol	0.152	0.011	ND	ND
α-Pinene	0.151	0.026	<LOQ	<LOQ	Fenchone	0.151	0.007	ND	ND
α-Terpinene	0.151	0.040	ND	ND	γ-Terpinene	0.152	0.029	ND	ND
α-Terpineol	0.154	0.016	<LOQ	<LOQ	Geraniol	0.609	0.108	ND	ND
β-Caryophyllene	0.608	0.197	<LOQ	<LOQ	Geranyl Acetate	0.151	0.032	ND	ND
β-Eudesmol	0.154	0.050	ND	ND	Isoborneol	0.151	0.020	ND	ND
β-Myrcene	0.153	0.016	ND	ND	Linalool	0.154	0.029	ND	ND
β-Pinene	0.306	0.024	<LOQ	<LOQ	(-)-Guaiaol	0.253	0.084	<LOQ	<LOQ
Borneol	0.154	0.023	ND	ND	Pulegone	0.165	0.055	ND	ND
Camphene	0.151	0.020	ND	ND	p-Cymene	0.155	0.038	ND	ND
Camphor	0.306	0.062	ND	ND	Terpinolene	0.154	0.021	ND	ND
Caryophyllene Oxide	0.602	0.064	<LOQ	<LOQ	trans-Nerolidol	0.170	0.057	ND	ND
Cedrol	0.151	0.039	ND	ND	Total			0.3829	3.829

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.

Residual Solvent Analysis

Category 1					Category 2					Category 2				
	LOQ	LOD	Limit	Status		LOQ	LOD	Limit	Status		LOQ	LOD	Limit	Status
	μg/g	μg/g	μg/g			μg/g	μg/g	μg/g			μg/g	μg/g	μg/g	
1,2-Dichloro-Ethane	ND	0.264	0.088	1 Pass	Acetone	ND	51.246	0.716	5000 Pass	n-Hexane	ND	0.281	0.027	290 Pass
Benzene	ND	0.052	0.017	1 Pass	Acetonitrile	ND	0.42	0.14	410 Pass	Isopropanol	27.4	2.86	0.614	5000 Pass
Chloroform	ND	0.076	0.025	1 Pass	Butane	ND	4.849	0.748	5000 Pass	Methanol	35.6	2.602	0.867	3000 Pass
Ethylene Oxide	ND	0.579	0.179	1 Pass	Ethanol	ND	7.575	2.525	5000 Pass	Pentane	ND	5.075	1.692	5000 Pass
Methylene-Chloride	ND	0.729	0.08	1 Pass	Ethyl-Acetate	ND	2.288	0.175	5000 Pass	Propane	ND	9.709	3.236	5000 Pass
Trichloroethene	ND	0.145	0.028	1 Pass	Ethyl-Ether	ND	2.869	0.389	5000 Pass	Toluene	ND	0.864	0.067	890 Pass
					Heptane	ND	2.859	0.496	5000 Pass	Xylenes	ND	2.572	0.326	2170 Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP RS-INST-003.

Heavy Metal Screening

		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	ND	0.009	0.003	1.5	Pass
Cadmium	ND	0.002	0.001	0.5	Pass
Lead	ND	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	3	Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: ICP-MS; samples analyzed according to SOP HM-INST-003.

Microbiological Screening

	Limit	Result	Status
	CFU/g	CFU/g	
Aspergillus flavus		NR	NT
Aspergillus fumigatus		NR	NT
Aspergillus niger		NR	NT
Aspergillus terreus		NR	NT
STEC		Not Detected	Pass
Salmonella SPP		Not Detected	Pass

Chemical Residue Screening

Category 1	LOQ		LOD	Status	Mycotoxins	LOQ		LOD	Limit	Status
	µg/g	µg/g	µg/g			µg/kg	µg/kg	µg/kg	µg/kg	
Aldicarb	ND	0.065	0.022	Pass	B1	ND	7.88	2.6		Tested
Carbofuran	ND	0.030	0.009	Pass	B2	ND	6.18	2.04		Tested
Chlordane	ND	0.075	0.025	Pass	G1	ND	8.99	2.97		Tested
Chlorfenapyr	ND	0.075	0.025	Pass	G2	ND	5.72	1.89		Tested
Chlorpyrifos	ND	0.053	0.018	Pass	Ochratoxin A	ND	11.72	3.87	20	Pass
Coumaphos	ND	0.056	0.018	Pass	Total Aflatoxins	ND			20	Pass
Daminozide	ND	0.079	0.026	Pass						
Dichlorvos	ND	0.067	0.022	Pass						
Dimethoate	ND	0.036	0.012	Pass						
Ethoprophos	ND	0.053	0.017	Pass						
Etofenprox	ND	0.030	0.008	Pass						
Fenoxycarb	ND	0.043	0.014	Pass						
Fipronil	ND	0.045	0.015	Pass						
Imazalil	ND	0.047	0.016	Pass						
Methiocarb	ND	0.047	0.016	Pass						
Mevinphos	ND	0.042	0.014	Pass						
Paclobutrazol	ND	0.040	0.013	Pass						
Parathion Methyl	ND	0.024	0.008	Pass						
Propoxur	ND	0.047	0.016	Pass						
Spiroxamine	ND	0.032	0.011	Pass						
Thiacloprid	ND	0.042	0.014	Pass						

Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status	
	µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g	
Abamectin	ND	0.030	0.010	0.3	Pass	Kresoxim Methyl	ND	0.038	0.012	1
Acephate	ND	0.050	0.016	5	Pass	Malathion	ND	0.035	0.012	5
Acequinocyl	ND	0.059	0.019	4	Pass	Metalaxyl	ND	0.031	0.010	15
Acetamiprid	ND	0.044	0.015	5	Pass	Methomyl	ND	0.048	0.016	0.1
Azoxystrobin	ND	0.029	0.010	40	Pass	Myclobutanil	ND	0.055	0.018	9
Bifenazate	ND	0.035	0.012	5	Pass	Naled	ND	0.051	0.017	0.5
Bifenthrin	ND	0.040	0.013	0.5	Pass	Oxamyl	ND	0.046	0.015	0.3
Boscalid	ND	0.060	0.020	10	Pass	Pentachloronitrobenzene	ND	0.054	0.018	0.2
Captan	ND	0.358	0.120	5	Pass	Permethrin	ND	0.030	0.008	20
Carbaryl	ND	0.049	0.016	0.5	Pass	Phosmet	ND	0.038	0.012	0.2
Chlorantraniliprole	ND	0.063	0.021	40	Pass	Piperonyl Butoxide	ND	0.030	0.008	8
Clofentezine	ND	0.039	0.013	0.5	Pass	Prallethrin	ND	0.068	0.023	0.4
Cyfluthrin	ND	0.056	0.019	1	Pass	Propiconazole	ND	0.059	0.019	20
Cypermethrin	ND	0.044	0.015	1	Pass	Pyrethrins	0.061	0.030	0.004	1
Diazinon	ND	0.030	0.006	0.2	Pass	Pyridaben	ND	0.035	0.012	3
Dimethomorph	ND	0.042	0.014	20	Pass	Spinetoram	ND	0.030	0.006	3
Etoxazole	ND	0.030	0.008	1.5	Pass	Spinosad	ND	0.030	0.004	3
Fenhexamid	ND	0.039	0.013	10	Pass	Spiromesifen	ND	0.042	0.014	12
Fenpyroximate	ND	0.030	0.010	2	Pass	Spirotetramat	ND	0.041	0.013	13
Flonicamid	ND	0.081	0.027	2	Pass	Tebuconazole	ND	0.044	0.014	2
Fludioxonil	ND	0.046	0.015	30	Pass	Thiamethoxam	ND	0.055	0.018	4.5
Hexythiazox	ND	0.078	0.026	2	Pass	Trifloxystrobin	ND	0.031	0.010	30
Imidacloprid	ND	0.071	0.023	3	Pass					