

## Populum Full Spectrum Hemp Oil 250 mg

Sample ID: 1912ELA1487.4130	Manufactured: N/A	Client
Strain: Populum Full Spectrum Hemp Oil	Collected:	<b>Real Tested CBD</b>
Matrix: Ingestible	Received: 12/11/2019	Lic. #
Type: Tincture	Completed: 01/03/2020	1 Pelican Point
Sample Size: 1 units; Batch:	Batch#:	Newport Coast, CA 92657



### Summary

Test	Date Tested	Result
Batch		<b>Fail</b>
Cannabinoids	12/18/2019	Complete
Residual Solvents	01/02/2020	Pass
Pesticides	12/18/2019	<b>Fail</b>

### Cannabinoids

Complete

<b>0.2599 mg/serving</b>	<b>7.9571 mg/serving</b>	<b>8.5340 mg/serving</b>
Total THC	Total CBD	Total Cannabinoids

Analyte	LOD	LOQ	Result	Result	Result	Result
	mg/g	mg/g	%	mg/g	mg/serving	mg/package
THCa	0.008	0.200	ND	ND	ND	ND
Δ9-THC	0.016	0.200	0.0282	0.282	0.2599	7.7967
Δ8-THC	0.011	0.200	ND	ND	ND	ND
THCV	0.018	0.200	ND	ND	ND	ND
CBDa	0.009	0.200	ND	ND	ND	ND
CBD	0.022	0.200	0.8634	8.634	7.9571	238.7128
CBDV	0.016	0.200	ND	ND	ND	ND
CBN	0.008	0.200	ND	ND	ND	ND
CBGa	0.015	0.200	ND	ND	ND	ND
CBG	0.015	0.200	<LOQ	<LOQ	<LOQ	<LOQ
CBC	0.012	0.200	0.0344	0.344	0.3170	9.5109
<b>Total THC</b>			<b>0.0282</b>	<b>0.282</b>	<b>0.2599</b>	<b>7.7967</b>
<b>Total CBD</b>			<b>0.8634</b>	<b>8.634</b>	<b>7.9571</b>	<b>238.7128</b>
<b>Total</b>			<b>0.9260</b>	<b>9.260</b>	<b>8.5340</b>	<b>256.0205</b>

1 Unit = mL, 0.9216g, 1 mL = 0.9216g. 1 unit(s) per serving, 30 serving(s) per package.  
Cannabinoids analysis by SOP LAB-001 utilizing High Performance Liquid Chromatography-Diode Array Detection (HPLC-DAD). Total THC = THCa \* 0.877 + d9-THC; Total CBD = CBDa \* 0.877 + CBD. LOQ = Limit of Quantitation. LOD = Limit of Detection. ND = Not Detected. If moisture content is tested and reported, the cannabinoid results are reported normalized to dry weight.




Joy Gravitt - Laboratory Manager  
01/03/2020

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Foreign material analysis by SOP LAB-008 utilizing visual examination and optical microscopy. Water activity measurement by SOP LAB-010 utilizing chilled-mirror dew point analysis. Moisture content measurement by SOP LAB-009 utilizing thermogravimetric analysis. This product has been tested by Earth Labs, LLC using valid testing methodologies and quality system as required by state law. All LQC samples were performed and met the acceptance criteria, pursuant to 16 CCR section 5730. Values reported relate only to the product tested. Earth Labs, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Earth Labs, LLC.

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### Residual Pesticides

**Fail**

Analyte	LOD	LOQ	Limit	Result	Status	Analyte	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.022	0.066	0.3	ND	Pass	Fludioxonil	0.015	0.046	30	<LOQ	Pass
Acephate	0.004	0.012	5	ND	Pass	Hexythiazox	0.007	0.021	2	ND	Pass
Acequinocyl	0.015	0.044	4	ND	Pass	Imazalil	0.029	0.086	0.029	ND	Pass
Acetamiprid	0.005	0.015	5	ND	Pass	Imidacloprid	0.008	0.024	3	ND	Pass
Aldicarb	0.025	0.074	0.025	ND	Pass	Kresoxim Methyl	0.025	0.074	1	ND	Pass
Azoxystrobin	0.009	0.028	40	ND	Pass	Malathion	0.028	0.084	5	<LOQ	Pass
Bifenazate	0.005	0.014	5	ND	Pass	Metalaxyl	0.026	0.079	15	ND	Pass
Bifenthrin	0.022	0.066	0.5	ND	Pass	Methiocarb	0.031	0.093	0.031	ND	Pass
Boscalid	0.014	0.042	10	ND	Pass	Methomyl	0.031	0.093	0.1	ND	Pass
Captan	0.21	0.593	5	ND	Pass	Mevinphos	0.01	0.031	0.01	ND	Pass
Carbaryl	0.009	0.027	0.5	<LOQ	Pass	Myclobutanil	0.011	0.033	9	ND	Pass
Carbofuran	0.018	0.054	0.018	ND	Pass	Naled	0.017	0.052	0.5	ND	Pass
Chlorantraniliprole	0.03	0.09	40	ND	Pass	Oxamyl	0.027	0.082	0.2	ND	Pass
Chlordane	0.023	0.075	0.023	ND	Pass	Paclbutrazol	0.017	0.051	0.017	ND	Pass
Chlorfenapyr	0.007	0.022	0.007	ND	Pass	Parathion Methyl	0.014	0.042	0.014	ND	Pass
Chlorpyrifos	0.018	0.054	0.018	0.119	<b>Fail</b>	Pentachloronitrobenzene	0.025	0.079	0.2	ND	Pass
Clofentezine	0.025	0.075	0.5	ND	Pass	Permethrin	0.087	0.26	20	ND	Pass
Coumaphos	0.02	0.06	0.02	ND	Pass	Phosmet	0.02	0.06	0.2	0.746	<b>Fail</b>
Cyfluthrin	0.158	0.475	1	ND	Pass	Piperonyl Butoxide	0.021	0.063	8	<LOQ	Pass
Cypermethrin	0.037	0.111	1	ND	Pass	Prallethrin	0.026	0.078	0.4	ND	Pass
Daminozide	0.01	0.03	0.01	ND	Pass	Propiconazole	0.029	0.088	20	ND	Pass
Diazinon	0.008	0.024	0.2	ND	Pass	Propoxur	0.03	0.089	0.03	ND	Pass
Dichlorvos	0.015	0.044	0.015	ND	Pass	Pyrethrins	0.02	0.059	1	ND	Pass
Dimethoate	0.027	0.082	0.027	ND	Pass	Pyridaben	0.006	0.018	3	ND	Pass
Dimethomorph	0.016	0.048	20	ND	Pass	Spinetoram	0.019	0.056	3	ND	Pass
Ethoprophos	0.018	0.055	0.018	ND	Pass	Spinosad	0.011	0.034	3	ND	Pass
Etofenprox	0.013	0.038	0.013	ND	Pass	Spiromesifen	0.019	0.057	12	ND	Pass
Etoazole	0.029	0.088	1.5	ND	Pass	Spirotetramat	0.031	0.094	13	ND	Pass
Fenhexamid	0.019	0.058	10	ND	Pass	Spiroxamine	0.02	0.061	0.02	ND	Pass
Fenoxycarb	0.031	0.092	0.031	ND	Pass	Tebuconazole	0.008	0.025	2	ND	Pass
Fenpyroximate	0.01	0.03	2	ND	Pass	Thiacloprid	0.016	0.048	0.016	ND	Pass
Fipronil	0.016	0.047	0.016	ND	Pass	Thiamethoxam	0.005	0.015	4.5	ND	Pass
Fonicamid	0.001	0.004	2	ND	Pass	Trifloxystrobin	0.005	0.014	30	ND	Pass

Date Tested: 12/18/2019  
Pesticides analysis by SOP LAB-005 using Gas Chromatography - Mass Spectrometry - Mass Spectrometry (GC-MS/MS) and by SOP LAB-004 utilizing Liquid Chromatography - Mass Spectrometry - Mass Spectrometry (LC-MS/MS). LOQ = Limit of Quantitation. LOD = Limit of Detection. ND = Not Detected.



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01/03/2020

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### Residual Solvents

Analyte	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloroethane	0.22	0.90	1	ND	Pass
Acetone	9.27	200.00	5000	ND	Pass
Acetonitrile	9.58	200.00	410	ND	Pass
Benzene	0.18	0.90	1	ND	Pass
Butane	9.45	400.00	5000	ND	Pass
Chloroform	0.17	0.90	1	ND	Pass
Ethanol	71.28	800.00	5000	ND	Pass
Ethyl acetate	10.24	200.00	5000	ND	Pass
Ethyl ether	10.44	200.00	5000	ND	Pass
Ethylene oxide	0.08	0.90	1	ND	Pass
Heptane	19.50	200.00	5000	ND	Pass
Isopropyl alcohol	16.26	200.00	5000	ND	Pass
Methanol	31.76	200.00	3000	ND	Pass
Methylene chloride	0.19	0.90	1	ND	Pass
Hexane	32.19	200.00	290	ND	Pass
Pentane	19.80	200.00	5000	ND	Pass
Propane	23.18	400.00	5000	ND	Pass
Toluene	10.26	200.00	890	ND	Pass
Trichloroethylene	0.16	0.90	1	ND	Pass
Total xylenes (ortho-, meta-, para-)	12.33	200.00	2170	ND	Pass



Date Tested: 01/02/2020  
Residual Solvents analysis by SOP LAB-003 utilizing Gas Chromatography – Flame Ionization Detection (GC-FID) and Gas Chromatography – Mass Spectrometry (GC-MS).  
LOQ = Limit of Quantitation. LOD = Limit of Detection. ND = Not Detected.



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