

11711 HERMITAGE ROAD, SUITE #5  
 LITTLE ROCK, AR 72211  
 License #: BL157155  
 Phone: 501-516-8028

# Certificate of Analysis



**Client Name:** Beyond Organic Nutritionals  
**Address:** 5488 Country Rd. 333 Koshkonong, MO 65692  
**Phone:** (417) 264-3166  
**License Number:**



**Sample ID:** AR542  
**Sample Name:** Organic CBD Oil  
**Sample Matrix:** Concentrate  
**Date Received:** 6/15/2021  
**Batch ID:** 051592111A  
**State ID:**  
**Date Reported:** 6/18/2021

## Sample Result: PASS



### Cannabinoids

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR)

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	0.061	0.614	0.02	0.06
CBD	2.6	26.001	0.03	0.10
CBDA	ND	ND	0.02	0.05
CBDV	0.014	0.141	0.02	0.06
CBG	0.023	0.232	0.04	0.11
CBGA	< LOQ	< LOQ	0.02	0.05
CBN	0.022	0.221	0.02	0.06
9-THC	0.066	0.665	0.02	0.06
delta-8-THC	ND	ND	0.04	0.11
THCA	ND	ND	0.02	0.05
THCV	ND	ND	0.03	0.10

Totals		
	%	mg/g
Total THC:	0.066	0.66
Total CBD:	2.6	26.0
Total Cannabinoids:	2.787	27.87

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## Pesticides

**PASS**

Residual pesticide analysis utilizing Liquid and Gas Chromatography – Mass Spectrometry (LC-MSMS + GC-MSMS; SOP-070-AR + SOP-073-AR)

- Limit units: ug/g = ppm

Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)	LOQ (µg/g)
Abamectin	PASS	ND	0.500	0.363	1.211
Acephate	PASS	ND	0.400	0.028	0.094
Acequinocyl	PASS	ND	2.000	0.405	1.350
Acetamiprid	PASS	ND	0.200	0.029	0.095
Aldicarb	PASS	ND	0.400	0.182	0.607
Azoxystrobin	PASS	ND	0.200	0.026	0.086
Bifenazate	PASS	ND	0.200	0.018	0.060
Bifenthrin	PASS	ND	0.200	0.144	0.481
Boscalid	PASS	ND	0.400	0.046	0.153
Carbaryl	PASS	ND	0.200	0.017	0.057
Carbofuran	PASS	ND	0.200	0.020	0.067
Chlorantraniliprole	PASS	ND	0.200	0.031	0.105
Chlorfenapyr	PASS	ND	1.000	0.032	0.094
Chlorpyrifos	PASS	ND	0.200	0.029	0.097
Clofentezine	PASS	ND	0.200	0.040	0.134
Cyfluthrin	PASS	ND	1.000	0.049	0.143
Cypermethrin	PASS	ND	1.000	0.049	0.147
Daminozide	PASS	ND	1.000	0.059	0.196
Diazinon	PASS	ND	0.200	0.021	0.069
DDVP (Dichlorvos)	PASS	ND	0.100	0.027	0.091
Dimethoate	PASS	ND	0.200	0.029	0.096
Ethoprophos	PASS	ND	0.200	0.028	0.093
Etofenprox	PASS	ND	0.400	0.039	0.132
Etoxazole	PASS	ND	0.200	0.032	0.106
Fenoxycarb	PASS	ND	0.200	0.025	0.084
Fenpyroximate	PASS	ND	0.400	0.020	0.068
Fipronil	PASS	ND	0.400	0.040	0.132
Flonicamid	PASS	ND	1.000	0.051	0.169
Fludioxonil	PASS	ND	0.400	0.048	0.160
Hexythiazox	PASS	ND	1.000	0.021	0.070
Imazalil	PASS	ND	0.200	0.047	0.156
Imidacloprid	PASS	ND	0.400	0.022	0.073
Kresoxim-methyl	PASS	ND	0.400	0.019	0.065
Malathion	PASS	ND	0.200	0.014	0.045
Metalaxyl	PASS	ND	0.200	0.020	0.067
Methiocarb	PASS	ND	0.200	0.019	0.064
Methomyl	PASS	ND	0.400	0.029	0.096
Methyl parathion	PASS	ND	0.200	0.032	0.094
MGK-264	PASS	ND	0.200	0.004	0.011
Myclobutanil	PASS	ND	0.200	0.024	0.080
Naled	PASS	ND	0.500	0.043	0.144
Oxamyl	PASS	ND	1.000	0.041	0.135
Paclobutrazol	PASS	ND	0.400	0.034	0.114
Permethrins	PASS	ND	0.200	0.030	0.088
Phosmet	PASS	ND	0.200	0.030	0.101
Piperonyl Butoxide	PASS	ND	2.000	0.020	0.066
Prallethrin	PASS	ND	0.200	0.066	0.218
Propiconazole	PASS	ND	0.400	0.014	0.047
Propoxur	PASS	ND	0.200	0.015	0.052
Pyrethrins	PASS	ND	1.000	0.065	0.218
Pyridaben	PASS	ND	0.200	0.033	0.110
Spinosad	PASS	ND	0.200	0.037	0.124
Spiromesifen	PASS	ND	0.200	0.032	0.108
Spirotetramat	PASS	ND	0.200	0.016	0.052
Spiroxamine	PASS	ND	0.400	0.048	0.160
Tebuconazole	PASS	ND	0.400	0.014	0.048
Thiacloprid	PASS	ND	0.200	0.017	0.056
Thiamethoxam	PASS	ND	0.200	0.017	0.056
Trifloxystrobin	PASS	ND	0.200	0.021	0.069

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## Residual Solvents PASS

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS; SOP-010-AR) - **Limit units: µg/g**


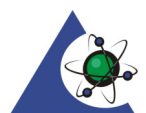
Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)	LOQ (µg/g)
1-Butanol	PASS	ND	5000	66.906	222.995
1-Pentanol	PASS	ND	5000	111.532	371.744
1-Propanol	PASS	ND	5000	166.590	555.316
1,2-Dimethoxyethane	PASS	ND	100	89.324	297.753
1,4-Dioxane	PASS	ND	380	86.815	289.390
2-Butanol	PASS	ND	5000	84.561	281.886
2-Butanone	PASS	ND	5000	46.811	156.043
2-Ethoxyethanol	PASS	ND	160	62.468	208.244
2-Methylbutane	PASS	ND	5000	8.038	26.785
2-Methylpentane	PASS	ND	290	9.548	31.850
2-Propanol (IPA)	PASS	ND	5000	118.804	384.730
2,2-Dimethylbutane	PASS	ND	290	17.865	59.565
2,3-Dimethylbutane	PASS	ND	290	7.759	25.879
3-Methylpentane	PASS	ND	290	9.873	32.942
Acetone	PASS	ND	5000	187.173	623.871
Acetonitrile	PASS	ND	410	75.873	227.618
Benzene	PASS	ND	2	1.696	5.692
n-Butane	PASS	ND	5000	7.666	25.554
Cumene	PASS	ND	70	33.244	110.812
Cyclohexane	PASS	ND	3880	20.327	67.765
Dichloromethane	PASS	ND	600	8.572	28.574
Dimethyl Sulfoxide	PASS	ND	5000	57.915	193.027
Ethanol	PASS	< LOQ	5000	81.030	270.061
Ethyl Acetate	PASS	ND	5000	29.132	97.106
Ethyl Ether	PASS	ND	5000	10.222	34.103
Ethylene Glycol	PASS	ND	620	9.571	31.896
Ethylene Oxide	PASS	ND	50	6.737	22.464
n-Heptane	PASS	ND	5000	36.937	123.125
n-Hexane	PASS	< LOQ	290	10.640	35.497
Isopropyl Acetate	PASS	ND	5000	50.644	168.797
Methanol	PASS	ND	3000	36.310	121.011
Methylpropane	PASS	< LOQ	5000	9.664	32.245
N,N-Dimethylacetamide	PASS	ND	1090	67.765	225.853
N,N-Dimethylformamide	PASS	< LOQ	880	91.809	306.000
n-Pentane	PASS	ND	5000	8.503	28.319
Propane	PASS	ND	5000	9.618	32.036
Pyridine	PASS	ND	200	55.964	186.522
Sulfolane	PASS	ND	160	33.755	112.531
Tetrahydrofuran	PASS	ND	720	39.470	131.604
Toluene	PASS	ND	890	88.185	293.943
Xylenes	PASS	ND	2170	338.872	1129.542

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-AR) This method is not included in our ISO accreditation scope.

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
α-Pinene	ND	ND	0.015	0.051
β-Pinene	ND	ND	0.014	0.048
β-myrcene	0.002	0.017	0.014	0.045
Limonene	ND	ND	0.011	0.036
Terpinolene	ND	ND	0.040	0.134
Linalool	ND	ND	0.030	0.100
β-Caryophyllene	0.023	0.228	0.026	0.088
α-Humulene	0.009	0.087	0.018	0.061
Caryophyllene Oxide	ND	ND	0.050	0.167

Totals	
%	mg/g
0.033	0.33

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Brandon Thornton  
Pharm D. Co-Owner & CEO  
Date: 6/18/2021