

Certificate of Analysis



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



Sample ID: AR4633
Sample Name: Organic CBD - 20mg - Oil - 30ml
Sample Matrix: Tincture
Date Received: 10/8/2021
Batch ID: 052772112A
State ID:
Date Reported: 10/14/2021
Density: 0.96
Package Volume: 30.0
Servings: 30

Cannabinoids

Standard potency analysis utilizing Ultra High Performance Liquid Chromatography (UHPLC; SOP-068-AR) | Test ID: #25742

Analyte	%	mg/g	mg/ml	mg/serving	mg/package	LOD (mg/g)	LOQ (mg/g)
CBC	0.257	2.57	2.468	2.468	74.04	0.017	0.051
CBD	2.715	27.154	26.068	26.068	782.04	0.026	0.079
CBDA	< LOQ	< LOQ	< LOQ	< LOQ	< LOQ	0.014	0.042
CBDV	0.009	0.093	0.089	0.089	2.67	0.017	0.051
CBG	0.04	0.402	0.386	0.386	11.58	0.029	0.089
CBGA	ND	ND	ND	ND	ND	0.013	0.038
CBN	0.006	0.061	0.059	0.059	1.77	0.016	0.048
9-THC	0.071	0.707	0.679	0.679	20.37	0.030	0.090
delta-8-THC	ND	ND	ND	ND	ND	0.015	0.045
THCA	ND	ND	ND	ND	ND	0.013	0.041
THCV	ND	ND	ND	ND	ND	0.026	0.079

Total Cannabinoids

	%	mg/g	mg/ml	mg/serving	mg/package
Total THC:	0.071	0.707	0.679	0.679	20.364
Total CBD:	2.715	27.154	26.068	26.068	782.034
Total Cannabinoids:	3.099	30.987	29.748	29.748	892.435



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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 | Test ID: #25745

Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)	LOQ (µg/g)
1-Butanol	PASS	ND	5000	4.806	16.019
1-Pentanol	PASS	ND	5000	9.611	32.037
1-Propanol	PASS	ND	5000	4.806	16.019
1,2-Dimethoxyethane	PASS	ND	100	4.806	16.019
1,4-Dioxane	PASS	ND	380	4.806	16.019
2-Butanol	PASS	ND	5000	4.806	16.019
2-Butanone	PASS	ND	5000	4.806	16.019
2-Ethoxyethanol	PASS	ND	160	9.611	32.037
2-Methylbutane	PASS	ND	5000	4.806	16.019
2-Methylpentane	PASS	ND	290	4.806	16.019
2-Propanol (IPA)	PASS	ND	5000	4.806	16.019
2,2-Dimethylbutane	PASS	ND	290	4.806	16.019
2,3-Dimethylbutane	PASS	ND	290	4.806	16.019
3-Methylpentane	PASS	ND	290	4.806	16.019
Acetone	PASS	ND	5000	4.806	16.019
Acetonitrile	PASS	ND	410	4.806	16.019
Benzene	PASS	ND	2	0.311	1.004
n-Butane	PASS	ND	5000	4.806	16.019
Cumene	PASS	ND	70	4.806	16.019
Cyclohexane	PASS	ND	3880	4.806	16.019
Dichloromethane	PASS	ND	600	8.822	29.407
Dimethyl Sulfoxide	PASS	ND	5000	4.806	16.019
Ethanol	PASS	< LOQ	5000	4.806	16.019
Ethyl Acetate	PASS	ND	5000	4.806	16.019
Ethyl Ether	PASS	ND	5000	4.806	16.019
Ethylene Glycol	PASS	ND	620	34.739	115.812
Ethylene Oxide	PASS	ND	50	4.806	16.019
n-Heptane	PASS	ND	5000	4.806	16.019
n-Hexane	PASS	ND	290	4.806	16.019
Isopropyl Acetate	PASS	ND	5000	4.806	16.019
Methanol	PASS	ND	3000	4.806	16.019
Methylpropane	PASS	ND	5000	4.806	16.019
N,N-Dimethylacetamide	PASS	ND	1090	19.222	64.075
N,N-Dimethylformamide	PASS	ND	880	19.222	64.075
n-Pentane	PASS	ND	5000	4.806	16.019
Propane	PASS	ND	5000	4.806	16.019
Pyridine	PASS	ND	200	9.611	32.037
Sulfolane	PASS	ND	160	34.739	115.812
Tetrahydrofuran	PASS	ND	720	4.806	16.019
Toluene	PASS	ND	890	4.806	16.019
Xylenes	PASS	ND	2170	19.294	64.362



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Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-AR) This method is not included in our ISO accreditation scope. | Test ID: #25743

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
α-Pinene	0.001	0.01	0.013	0.042
β-Pinene	0.002	0.021	0.012	0.039
β-myrcene	0.004	0.039	0.011	0.037
Limonene	ND	ND	0.009	0.030
Terpinolene	ND	ND	0.033	0.110
Linalool	ND	ND	0.025	0.082
β-Caryophyllene	0.035	0.352	0.022	0.072
α-Humulene	0.016	0.164	0.015	0.050
Caryophyllene Oxide	0.018	0.182	0.041	0.137

Total Terpenes

%	mg/g
0.077	0.77



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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 | Test ID: #25744

Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)	LOQ (µg/g)
Abamectin	PASS	ND	0.500	0.035	0.116
Acephate	PASS	ND	0.400	0.025	0.082
Acequinocyl	PASS	ND	2.000	0.140	0.467
Acetamiprid	PASS	ND	0.200	0.025	0.083
Aldicarb	PASS	ND	0.400	0.017	0.058
Azoxystrobin	PASS	ND	0.200	0.022	0.075
Bifenazate	PASS	ND	0.200	0.016	0.052
Bifenthrin	PASS	ND	0.200	0.035	0.118
Boscalid	PASS	ND	0.400	0.040	0.133
Carbaryl	PASS	ND	0.200	0.015	0.050
Carbofuran	PASS	ND	0.200	0.018	0.059
Chlorantraniliprole	PASS	ND	0.200	0.027	0.091
Chlorfenapyr	PASS	ND	1.000	0.028	0.082
Chlorpyrifos	PASS	ND	0.200	0.025	0.085
Clofentezine	PASS	ND	0.200	0.035	0.117
Cyfluthrin	PASS	ND	1.000	0.043	0.125
Cypermethrin	PASS	ND	1.000	0.043	0.129
Daminozide	PASS	ND	1.000	0.051	0.171
Diazinon	PASS	ND	0.200	0.018	0.061
DDVP (Dichlorvos)	PASS	ND	0.100	0.024	0.080
Dimethoate	PASS	ND	0.200	0.025	0.081
Ethoprophos	PASS	ND	0.200	0.024	0.081
Etofenprox	PASS	ND	0.400	0.034	0.115
Etoxazole	PASS	ND	0.200	0.028	0.093
Fenoxycarb	PASS	ND	0.200	0.022	0.074
Fenpyroximate	PASS	ND	0.400	0.018	0.059
Fipronil	PASS	ND	0.400	0.035	0.115
Fonicamid	PASS	ND	1.000	0.044	0.147
Fludioxonil	PASS	ND	0.400	0.042	0.140
Hexythiazox	PASS	ND	1.000	0.018	0.061
Imazalil	PASS	ND	0.200	0.041	0.136
Imidacloprid	PASS	ND	0.400	0.019	0.064
Kresoxim-methyl	PASS	ND	0.400	0.017	0.057
Malathion	PASS	ND	0.200	0.012	0.039
Metalaxyl	PASS	ND	0.200	0.017	0.058
Methiocarb	PASS	ND	0.200	0.017	0.056
Methomyl	PASS	ND	0.400	0.025	0.084
Methyl parathion	PASS	ND	0.200	0.028	0.082
MGK-264	PASS	ND	0.200	0.009	0.029
Myclobutanil	PASS	ND	0.200	0.021	0.070
Naled	PASS	ND	0.500	0.038	0.125
Oxamyl	PASS	ND	1.000	0.035	0.118
Paclobutrazol	PASS	ND	0.400	0.030	0.099
Permethrins	PASS	ND	0.200	0.026	0.077
Phosmet	PASS	ND	0.200	0.026	0.088
Piperonyl Butoxide	PASS	ND	2.000	0.017	0.058
Prallethrin	PASS	ND	0.200	0.017	0.058
Propiconazole	PASS	ND	0.400	0.012	0.041
Propoxur	PASS	ND	0.200	0.013	0.045
Pyrethrins	PASS	ND	1.000	0.057	0.191
Pyridaben	PASS	ND	0.200	0.029	0.096
Spinosad	PASS	ND	0.200	0.033	0.109
Spiromesifen	PASS	ND	0.200	0.028	0.094
Spirotetramat	PASS	ND	0.200	0.014	0.046
Spiroxamine	PASS	ND	0.400	0.042	0.140
Tebuconazole	PASS	ND	0.400	0.012	0.042
Thiacloprid	PASS	ND	0.200	0.015	0.049
Thiamethoxam	PASS	ND	0.200	0.015	0.049
Trifloxystrobin	PASS	ND	0.200	0.018	0.060

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