



Lot : 21003217

Item Number : FG-10207

Description : CBD for Dogs 1.5oz 25mg CBD per 20 Drops

Batch Date : 7/7/2021

Expiration Date : 1/8/2023

Batch Size : 1,000

Qty Produced : 1,120



Certificate of Analysis

Client: Barlean's Organic Oils
3660 Slater Rd
Ferndale, WA 98248

Phone: (360) 384-0485

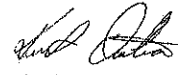
Fax: (360) 384-1746

Email: Barleans Organic Oils Group

Invoice Number: 21-11110 Revised

PO Number: 070921MAB-3

Received Date: 7/9/2021

Approved By: 

Approved Date: 7/23/2021

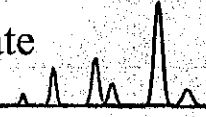
Project Name: Finished Product

Lab #: 44942	Sample: FG-10207, 21003217	Sample Date: 7/9/2021				
Analyte	Results	Units	Detection Limit	Method	Analyst	Date Analyzed
Allergen						
I Allergen:Gluten-r	<5	ppm		ESS_6.2.6-2.10.38	JG	7/12/2021
General Chemistry						
Density	0.976	g/mL		ESS_3.3.6.225	AB	7/14/2021
Microbial Enumeration						
I Aerobic Plate Count	<10	cfu/g	10	ESS_2.2.1	ER	7/12/2021
I Staphylococcus aureus	Negative	cfu/g	10	ESS_2.2.3	ER	7/12/2021
I Coliform	Negative	cfu/g	10	ESS_2.2.17	ER	7/12/2021
I E. coli	Negative	cfu/g	10	ESS_2.2.17	ER	7/12/2021
I Yeast	Negative	cfu/g	10	ESS_2.2.4.c	ER	7/12/2021
I Mold	Negative	cfu/g	10	ESS_2.2.4.c	ER	7/12/2021
Microbiology Pathogens						
I Salmonella spp	Negative	per 25 grams		ESS_2.2.6	AH	7/12/2021
Organic Chemistry						
I Total Cannabinoids	34.2	mg/g		ESS_3.1.7.226	AF	7/14/2021
Total CBD (CBD + CBDA)	30.42	mg/g		ESS_3.1.7.226c MOU-0.0042%	AF	7/14/2021
I CBDV	0.01	%		ESS_3.1.7.226	AF	7/14/2021
I CBDA	0.05	%		ESS_3.1.7.226	AF	7/14/2021
I CBGA	0.01	%		ESS_3.1.7.226	AF	7/14/2021
I CBG	0.12	%		ESS_3.1.7.226	AF	7/14/2021
I CBD	2.99	%		ESS_3.1.7.226	AF	7/14/2021
I THCv	< 0.01	%		ESS_3.1.7.226	AF	7/14/2021
I CBN	< 0.01	%		ESS_3.1.7.226	AF	7/14/2021
I d-9 THC	0.11	%		ESS_3.1.7.226	AF	7/14/2021
I d-8 THC	< 0.01	%		ESS_3.1.7.226	AF	7/14/2021



Certificate of Analysis

Lab #: 44942		Sample: FG-10207, 21003217			Sample Date: 7/9/2021	
Analyte	Results	Units	Detection Limit	Method	Analyst	Date Analyzed
I CBC	0.13	%		ESS_3.1.7.226	AF	7/14/2021
I THCA	< 0.01	%		ESS_3.1.7.226	AF	7/14/2021
Total THC (d-9 THC + THCA)	0.11	%		ESS_3.1.7.226c MOU-0.0042%	AF	7/14/2021
CBD	29.21	mg/serving		ESS_3.1.7.226c MOU-0.0042%	AF	7/14/2021
Proximate						
I Moisture	0.34	%		ESS_3.3.6.200.a	SO	7/13/2021
I Fat	96.44	%		ESS_3.3.6.205	KW	7/12/2021
Serving Information						
Serving Size	1	mL		ESS_1.1.38	AF	7/15/2021



Certificate ID: 95964

Received: 7/12/21

Scan QR Code for authenticity



Barlean's

3660 Slater Road

Ferndale, WA 98248

Attn: Quality Control Team

Client Sample ID: FG-10207

Lot Number: 21003217

Matrix: Tincture/Infused Oil - MCT Oil

Authorization:

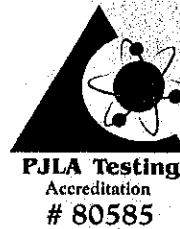
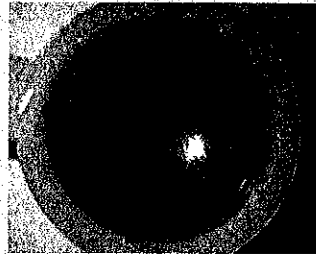
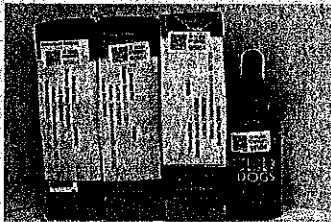
Chris Hudalla, Chief Science Officer

Signature:

Christopher Hudalla

Date:

7/13/2021



The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

TP: Terpenes Profile [WI-10-27]

Analyst: CJS

Test Date: 7/13/2021

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and gas chromatographic (GC) compound separation. A combination of flame ionization detection (FID) and/or mass spectrometric (MS) detection with mass spectral confirmation against the National Institute of Standards and Technology (NIST) Mass Spectral Database, Revision 2017 were used. Chromatographic and/or mass spectral data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

95964-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	<RL	<RL	█
camphene	79-92-5	ND	ND	
sabinene*	3387-41-5	ND	ND	
beta-myrcene	123-35-3	0.0029	29.1	██████████
beta-pinene	127-91-3	<RL	<RL	█
alpha-phellandrene	99-83-2	<RL	<RL	
delta-3-carene	13466-78-9	ND	ND	
alpha-terpinene	99-86-5	ND	ND	
alpha-ocimene	502-99-8	ND	ND	
D-limonene	138-86-3	0.0021	21.1	██████████
p-cymene	99-87-6	ND	ND	
cis-beta-ocimene	3338-55-4	ND	ND	
eucalyptol	470-82-6	0.0015	15.0	██████████
gamma-terpinene	99-85-4	<RL	<RL	█
terpinolene	586-62-9	0.0008	7.51	██████████
linalool	78-70-6	0.0052	52.2	██████████
L-fenchone*	7787-20-4	ND	ND	
isopulegol	89-79-2	ND	ND	
menthol*	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	

Compound	Reference #	Concentration	ppm	Visual
beta-caryophyllene	87-44-5	0.0150	150	[Redacted]
alpha-humulene	6753-98-6	0.0043	42.5	[Redacted]
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	ND	ND	
guaiol	489-86-1	0.0013	12.9	[Redacted]
caryophyllene oxide	1139-30-6	0.0006	6.13	[Redacted]
alpha-bisabolol	23089-26-1	0.0014	14.0	[Redacted]

Total Terpene: <0.1 wt%

* Certified reference standard not available for this compound. Concentration is estimated using the response factor from alpha-pinene. ND = None Detected. RL = Reporting Limit of 5 ppm.

END OF REPORT



Certificate of Analysis


Client: Barlean's Organic Oils
3660 Slater Rd
Ferndale, WA 98248

Phone: (360) 384-0485

Fax: (360) 384-1746

Email: Barleans Organic Oils Group

Invoice Number: 21-11110
PO Number: 070921MAB-3
Received Date: 7/9/2021

Approved By: 
Approved Date: 7/14/2021
Project Name: Finished Product

Lab #: 44943		Sample: FG-10207, 21003217			Sample Date: 7/9/2021	
Analyte	Results	Units	Detection Limit	Method	Analyst	Date Analyzed
Heavy Metals						
I Arsenic	<0.01	ppm	0.01	ESS_3.2.1.202 ICP-MS	KN	7/13/2021
I Cadmium	<0.01	ppm	0.01	ESS_3.2.1.202 ICP-MS	KN	7/13/2021
I Lead	<0.01	ppm	0.01	ESS_3.2.1.202 ICP-MS	KN	7/13/2021
I Mercury	<0.01	ppm	0.01	ESS_3.2.1.207 ICP-MS	KN	7/13/2021
Organic Chemistry						
Class 1 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	7/13/2021
Class 2 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	7/13/2021
Class 3 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	7/13/2021



Pesticide Report

Client: Barlean's Organic Oils
3660 Slater Rd
Ferndale, WA 98248

Ref Number: 21-11110
PO Number: 070921MAB-3
Project Name: Finished Product

Phone: (360) 384-0485
Email: Barlean's Organic Oils Group

Analyst: Various
Supervisor: Kent Oostra

Date Collected:	7/9/2021	Date Received:	7/9/2021
Date Analyzed:	7/14/2021	Lab Number:	44943
Sample Description:		FG-10207, 21003217	

Analyte	Result (ppm)	LOQ (ppm)	Analyte	Result (ppm)	LOQ (ppm)
Organochlorine Pesticides					
2,4'-DDD	ND	0.20	Endosulfan I	ND	0.40
2,4'-DDE	ND	0.20	Endosulfan II	ND	0.40
2,4'-Methoxychlor	ND	0.20	Endosulfan sulfate	ND	0.20
2,4-DDT	ND	0.20	Endrin	ND	0.40
4,4"-DDD	ND	0.20	Endrin aldehyde	ND	20.0
4,4'-DDE	ND	0.20	Endrin ketone	ND	2.00
4,4'-Dichlorobenzophenone	ND	0.20	Ethyl (Perthane)	ND	0.20
4,4'-Methoxychlor olefin	ND	0.20	Fenson	ND	0.20
4,4-DDT	ND	0.20	gamma-BHC	ND	0.20
Aldrin	ND	0.20	Heptachlor	ND	1.00
alpha-BHC	ND	0.20	Heptachlor epoxide (Isomer B)	ND	0.20
beta-BHC	ND	0.20	Hexachlorobenzene	ND	0.20
Chlorbenside	ND	0.20	Isodrin	ND	0.20
Chlorfenson (Ovex)	ND	0.20	Mirex	ND	0.20
Chloroneb	ND	20.0	Pentachloroanisole	ND	0.20
cis-Chlordane	ND	0.20	Pentachlorobenzene	ND	0.20
cis-Nonachlor	ND	0.20	Pentachloroethoxyanisole	ND	0.20
delta-BHC	ND	0.20	Tetradifon	ND	1.00
Dieldrin	ND	0.40	trans-Chlordane	ND	0.20
Endosulfan ether	ND	1.00	trans-Nonachlor	ND	0.20
Organophosphorus Pesticides					
Azinophos ethyl	ND	0.20	Leptophos	ND	0.20
Azinophos methyl	ND	0.20	Malathion	ND	1.00
Bromfenvinfos-methyl	ND	0.20	Methacrifos	ND	0.20
Bromfenvinfos	ND	0.20	Methyl parathion	ND	0.20
Bromophos ethyl	ND	0.20	Mevinphos	ND	0.20
Bromophos methyl	ND	0.20	Parathion (Ethyl parathion)	ND	0.20
Carbophenothion	ND	1.00	Phorate	ND	0.20
Chlorfenvinfos	ND	0.20	Phosalone	ND	2.00
Chlorpyrifos	ND	0.20	Phosmet	ND	1.00
Chlorpyrifos methyl	ND	1.00	Piperonyl butoxide	ND	1.00
Chlorthiophos	ND	0.20	Pirimiphos ethyl	ND	0.20
Coumaphos	ND	0.20	Pirimiphos methyl	ND	0.20
Diazinon	ND	0.20	Profenofos	ND	0.40
Disulfoton	ND	0.20	Prothiophos	ND	0.20
Edifenphos	ND	0.20	Pyraclifos	ND	1.00
EPN	ND	2.00	Pyrazophos	ND	1.00
Ethion	ND	0.20	Pyridaphenthion	ND	0.20
Fenamiphos	ND	0.20	Quinalphos	ND	1.00
Fenclorophos	ND	0.20	Sulfotep	ND	0.20
Fenitrothion	ND	0.20	Sulprofos	ND	0.20
Fenthion	ND	0.20	Terbufos	ND	0.20
Fonofos	ND	0.20	Tetrachlorinfos	ND	0.20
Iodofenphos	ND	0.20	Tolclofos-methyl	ND	0.20
Isazophos	ND	0.20	Triazophos	ND	0.20



Pesticide Report

Client: Barlean's Organic Oils
3660 Slater Rd
Ferndale, WA 98248

Phone: (360) 384-0485
Email: Barlean's Organic Oils Group

Ref Number: 21-11110
PO Number: 070921MAB-3
Project Name: Finished Product

Analyst: Various
Supervisor: Kent Oostra

Date Collected:	7/9/2021	Date Received:	7/9/2021
Date Analyzed:	7/14/2021	Lab Number:	44943
Sample Description:		FG-10207, 21003217	

Analyte	Result (ppm)	LOQ (ppm)	Analyte	Result (ppm)	LOQ (ppm)
Organonitrogen Pesticides					
2,3,5,6-Tetrachloroaniline	ND	0.20	Metolachlor	ND	0.20
2,6-Dichlorobenzonitrile (Dichlobenil)	ND	0.20	MGK-264	ND	0.20
3,4-Dichloroaniline	ND	0.20	Myclobutanil	ND	0.20
Acetochlor	ND	0.20	N-(2,4-Dimethylphenyl)formamide	ND	0.20
Alachlor	ND	0.20	Nitralin	ND	0.20
Allidochlor	ND	0.20	Nitrofen	ND	0.20
Atrazine	ND	0.20	Norflurazon	ND	0.20
Benfluralin	ND	0.20	Oxadiazon	ND	0.20
Biphenyl	ND	0.20	Oxyfluorfen	ND	0.40
Buprimate	ND	0.20	Paclobutrazol	ND	0.20
Captan	ND	1.00	Pebulate	ND	0.20
Chlorfenapyr	ND	1.00	Penconazole	ND	0.20
Chlorothalonil	ND	0.20	Pendimethalin	ND	0.20
Clomazone (Command)	ND	0.20	Pentachloroaniline	ND	0.20
Cycloate	ND	0.20	Pentachlorobenzonitrile	ND	0.20
Cyprodinil	ND	0.20	Pentachloronitrobenzene (Quintozene)	ND	0.20
Diallate (cis & trans)	ND	0.40	Pretilachlor	ND	0.20
Dichlofluanid	ND	0.20	Prochloraz	ND	0.20
Dicloran	ND	0.20	Procymidone	ND	0.20
Dimethachlor	ND	0.20	Prodlamine	ND	0.20
Diphenamid	ND	0.20	Profuralin	ND	0.20
Dipheynlamine	ND	0.20	Propachlor	ND	0.20
Ethalfuralin	ND	0.20	Propanil	ND	0.20
Etofenprox	ND	0.20	Propargite	ND	1.00
Etridazole	ND	0.20	Propisochlor	ND	0.20
Fenarimol	ND	0.20	Propyzamide	ND	0.20
Fenpropathrin	ND	0.20	Pyridaben	ND	0.20
Fjpronil	ND	0.20	Pyrimethanil	ND	0.20
Fluchloralin	ND	0.20	Pyriproxyfen	ND	1.00
Fludioxonil	ND	0.20	Tebuconazole	ND	1.00
Fluquinconazole	ND	0.20	Tebufenpyrad	ND	0.20
Fluridone (Sonar)	ND	0.20	Terbacil	ND	0.20
Flusilazole	ND	0.20	Terbutylazine	ND	0.20
Flutolanil	ND	0.20	Tetrachloronitrobenzene (Tecnazene)	ND	0.20
Flutriafol	ND	0.20	THPI (Tetrahydrophthalimide)	ND	0.20
Folpet	ND	0.20	Tolyfluanid	ND	0.20
Hexazinone (Velpar)	ND	1.00	Triadimefon	ND	0.20
Iprodione	ND	0.40	Triadimenol	ND	0.20
Isopropalin	ND	0.20	Triallate	ND	0.20
Lenacil	ND	0.20	Tricyclazole (Beam)	ND	0.20
Linuron	ND	0.20	Triflumizole	ND	0.20
Metazachlor	ND	0.20	Trifluralin	ND	0.20
Methoxychlor	ND	0.20	Vinclozolin	ND	0.20



Pesticide Report

Client: Barlean's Organic Oils
3660 Slater Rd
Ferndale, WA 98248

Phone: (360) 384-0485
Email: Barlean's Organic Oils Group

Ref Number: 21-11110
PO Number: 070921MAB-3
Project Name: Finished Product

Analyst: Various
Supervisor: Kent Oostra

Date Collected:	7/9/2021	Date Received:	7/9/2021
Date Analyzed:	7/14/2021	Lab Number:	44943
Sample Description:		FG-10207, 21003217	

Analyte	Result (ppm)	LOQ (ppm)	Analyte	Result (ppm)	LOQ (ppm)
Synthetic Pyrethroid Pesticides					
Acrinathrin	ND	0.40	Flucythrinate	ND	0.20
Anthraquinone	ND	0.20	Lambda-Cyhalothrin	ND	2.00
Bifenthrin	ND	1.00	Phenothrin (cis & trans)	ND	2.00
Bioallethrin	ND	0.20	Resmethrin	ND	1.00
cis-Permethrin	ND	0.20	tau-Fluvalinate	ND	0.20
Cyfluthrin	ND	0.40	Tefluthrin	ND	0.20
Cypermethrin	ND	0.40	Tetramethrin	ND	1.00
Deltamethrin	ND	0.20	trans-Permethrin	ND	0.20
Fenvalerate	ND	2.00	Transfluthrin	ND	0.20
Analyte	Result (ppm)	LOQ (ppm)	Analyte	Result (ppm)	LOQ (ppm)
Herbicide Methyl Esters					
2-Phenylphenol	ND	0.20	Chlorpropham	ND	0.20
Acequinocyl	ND	2.0	Chlozoinate	ND	0.20
Bromopropylate	ND	0.20	DCPA methyl Ester (chlorthal-dimethyl)	ND	0.20
Carfentrazone ethyl	ND	0.20	Fluazifop-p-butyl	ND	0.20
Chlorobenzilate	ND	0.20	Metalaxyl	ND	0.20