



Lot : 20001103

Item Number : FG-10207

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

Batch Date : 3/6/2020

Expiration Date : 9/9/2021

Batch Size : 500

Qty Produced : 535



**Exact Scientific Services, Inc.**

1355 Pacific Place  
Suite 101  
Ferndale, WA 98248

Phone: (360) 733-1205  
Fax: (888) 818-2978  
Email: lab@exactscientific.com


## Certificate of Analysis

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**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:** 20-03383 Revised  
**PO Number:** 031020MAB-2  
**Received Date:** 3/10/2020

**Approved By:**   
**Approved Date:** 3/12/2020  
**Project Name:** Finished Product

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**ND = Not detected above the listed detection limit**

*This report and its results only relate to the specific sample(s) tested as received, and is for exclusive use of the customer named above and shall not be reproduced except in full.*

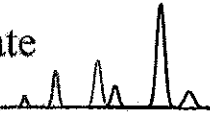


## Certificate of Analysis

Lab #: 13128	Sample: FG-10207, 20001103			Sample Date: 3/10/2020		
Analyte	Results	Units	Detection Limit	Method	Analyst	Date Analyzed
<b><u>Allergen</u></b>						
Allergen:Gluten-r	<5	ppm		ESS_6.2.6-2.10.38	FC	3/12/2020
<b><u>Microbial Enumeration</u></b>						
Aerobic Plate Count	<10	cfu/g	10	ESS_2.2.1	eg	3/12/2020
Staphylococcus aureus	Negative	cfu/g	10	ESS_2.2.3	eg	3/12/2020
Coliform	Negative	cfu/g	10	ESS_2.2.17	eg	3/11/2020
E. coli	Negative	cfu/g	10	ESS_2.2.17	eg	3/11/2020
Yeast	Negative	cfu/g	10	ESS_2.2.4.c	eg	3/12/2020
Mold	Negative	cfu/g	10	ESS_2.2.4.c	eg	3/12/2020
<b><u>Microbiology Pathogens</u></b>						
Salmonella spp	Negative	per 25 grams		ESS_2.2.6	MM	3/11/2020
<b><u>Organic Chemistry</u></b>						
Total Cannabinoids	31.6	mg/g		ESS_3.1.7.226	AF	3/10/2020
Total CBD (CBD + CBDA)	29.38	mg/g		ESS_3.1.7.226c	AF	3/10/2020
CBDV	< 0.01	%		ESS_3.1.7.226	AF	3/10/2020
CBDA	< 0.01	%		ESS_3.1.7.226	AF	3/10/2020
CBGA	Included in result for CBG	%		ESS_3.1.7.226	AF	3/10/2020
CBG	0.07	%		ESS_3.1.7.226	AF	3/10/2020
CBD	2.94	%		ESS_3.1.7.226	AF	3/10/2020
THCV	< 0.01	%		ESS_3.1.7.226	AF	3/10/2020
CBN	< 0.01	%		ESS_3.1.7.226	AF	3/10/2020
d-9 THC	0.11	%		ESS_3.1.7.226	AF	3/10/2020
d-8 THC	< 0.01	%		ESS_3.1.7.226	AF	3/10/2020
CBC	0.04	%		ESS_3.1.7.226	AF	3/10/2020
THCA	< 0.01	%		ESS_3.1.7.226	AF	3/10/2020
Total THC (d-9 THC + THCA)	0.11	%		ESS_3.1.7.226c	AF	3/10/2020
CBD	27.03	mg/serving		ESS_3.1.7.226c	AF	3/10/2020
<b><u>Proximate</u></b>						
Moisture	0.30	%		ESS_3.3.6.200.a	MH	3/11/2020
Fat	94.50	%		ESS_3.3.6.205	SB	3/11/2020
<b><u>Serving Information</u></b>						
Serving Size	0.92	g		ESS_1.1.38	AF	3/11/2020

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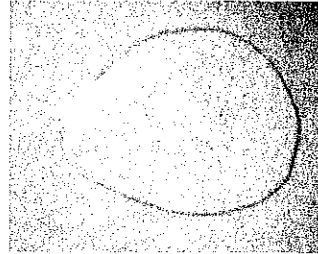
Certificate ID: 79382  
Client Sample ID: FG-10207  
Lot Number: 20001103  
Matrix: Tincture/Infused Oil - MCT Oil

Received: 3/11/20



Barlean's  
3660 Slater Road  
Ferndale, WA 98248  
Attn: Quality Control Team

Authorization: Jon Podgorni, Lead Research Chemist	Signature: <i>Jon Podgorni</i>	Date: 3/17/2020
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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: JR

Test Date: 3/14/2020

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations. All values are semiquantitative estimates based on recorded peak areas relative to terpene calibration data.

**79382-TP**

Compound	ppm	Terpene Profile	Compound	ppm	Terpene Profile
beta-myrcene	37		camphene		
isopulegol			L-fenchone		
menthol			beta-pinene	5	
cis-nerolidol			eucalyptol	4	
trans-nerolidol			alpha-terpinene		
gamma-terpinene			delta-3-carene		
alpha-bisabolol	19		alpha-pinene	2	
linalool	7		D-limonene	24	
beta-caryophyllene	162		geraniol		
caryophyllene oxide	10		cis-beta-ocimene		
guaiol			alpha-ocimene		
sabinene			alpha-phellandrene		
alpha-humulene	42		terpinolene		
p-cymene					

ppm 0.00 100.00 200.00      0.00 100.00 200.00

Total Terpene: <0.1 wt%

**END OF REPORT**



Pesticide Report

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

Ref Number: 20-03383  
PO Number: 031020MAB-2  
Project Name: Finished Product

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

Analyst: Various  
Supervisor: Kent Costra

Date Collected:	3/10/2020	Date Received:	3/10/2020
Date Analyzed:	3/11/2020	Lab Number:	13129
Sample Description:		FG-10207, 20001103	

Analyte	Result (ppm)	LOQ (ppm)	Analyte	Result (ppm)	LOQ (ppm)
<b>Organochlorine Pesticides</b>					
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	Ethylan (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 (Oxev)	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	Pentachlorothioanisole	ND	0.20
delta-BHC	ND	0.20	Tetraclifon	ND	1.00
Dieldrin	ND	0.40	trans-Chlordane	ND	0.20
Endosulfan ether	ND	1.00	trans-Nonachlor	ND	0.20
<b>Organophosphorus Pesticides</b>					
Azinophos ethyl	ND	0.20	Leptophos	ND	0.20
Azinophos methyl	ND	0.20	Malathion	ND	1.00
Bromfeninfos-methyl	ND	0.20	Methacrifos	ND	0.20
Bromfenvinphos	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
Chlorfenvinphos	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	Pirimphos ethyl	ND	0.20
Coumaphos	ND	0.20	Pirimphos 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	0.20
EPN	ND	2.00	Pyrazophos	ND	0.20
Ethion	ND	0.20	Pyridaphenthion	ND	0.20
Fenamiphos	ND	0.20	Quinalphos	ND	0.20
Fenchlorphos	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	Tetrachlorvinfos	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: 20-03383  
PO Number: 031020MAB-2  
Project Name: Finished Product  
  
Analyst: Various  
Supervisor: Kent Oostra

Date Collected:	3/10/2020	Date Received:	3/10/2020
Date Analyzed:	3/11/2020	Lab Number:	13129
Sample Description:		FG-10207, 20001103	

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
Captafol	ND	5.00	Pebulate	ND	0.20
Captan	ND	1.00	Penconazole	ND	0.20
Chlorfenapyr	ND	1.00	Pendimethalin	ND	0.20
Chlorothalonil	ND	0.20	Pentachloroaniline	ND	0.20
Clomazone (Command)	ND	0.20	Pentachlorobenzonitrile	ND	0.20
Cycloate	ND	0.20	Pentachloronitrobenzene (Quintozene)	ND	0.20
Cyprodinil	ND	0.20	Preflachlor	ND	0.20
Diallate (cis & trans)	ND	0.40	Prochloraz	ND	0.20
Dichlofuanid	ND	0.20	Procymidone	ND	0.20
Dicloran	ND	0.20	Prodiamine	ND	0.20
Dimethachlor	ND	0.20	Profluralin	ND	0.20
Diphenamid	ND	0.20	Propachlor	ND	0.20
Dipheynlamine	ND	0.20	Propanil	ND	0.20
Ethalfuralin	ND	0.20	Propargite	ND	1.00
Etofenprox	ND	0.20	Propisochlor	ND	0.20
Etridiazole	ND	0.20	Propyzamide	ND	0.20
Fenarimol	ND	0.20	Pyridaben	ND	1.00
Fenpropathrin	ND	0.20	Pyrimethanil	ND	0.20
Fipronil	ND	0.20	Pyriproxyfen	ND	1.00
Fluchloralin	ND	0.20	Tebuconazole	ND	0.20
Fludioxonil	ND	0.20	Tebufenpyrad	ND	0.20
Fluquinconazole	ND	0.20	Terbacil	ND	0.20
Fluridone (Sonar)	ND	0.20	Terbuthylazine	ND	0.20
Flusilazole	ND	0.20	Tetrachloronitrobenzene (Tecnazene)	ND	0.20
Flutolanil	ND	0.20	THPI (Tetrahydrophthalimide)	ND	0.20
Flutriafol	ND	0.20	Tolyfluanid	ND	0.20
Folpet	ND	0.20	Triadimefon	ND	0.20
Hexazinone (Velpar)	ND	1.00	Triadimenol	ND	0.20
Iprodione	ND	2.00	Triallate	ND	0.20
Isopropalin	ND	0.20	Tricyclozole (Beam)	ND	0.20
Lenacil	ND	0.20	Triflumizole	ND	0.20
Linuron	ND	0.20	Trifluralin	ND	0.20
Metazachlor	ND	0.20	Vinciozolin	ND	0.20
Methoxychlor	ND	0.20			



Pesticide Report

Client: Barlean's Organic Oils  
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Ferndale, WA 98248  
  
Phone: (360) 384-0485  
Email: Barlean's Organic Oils Group

Ref Number: 20-03383  
PO Number: 031020MAB-2  
Project Name: Finished Product  
  
Analyst: Various  
Supervisor: Kent Oostra

Date Collected:	3/10/2020	Date Received:	3/10/2020
Date Analyzed:	3/11/2020	Lab Number:	13129
Sample Description:		FG-10207, 20001103	

Analyte	Result (ppm)	LOQ (ppm)	Analyte	Result (ppm)	LOQ (ppm)
<b>Synthetic Pyrethroid Pesticides</b>					
Acrinathrin	ND	0.40	Flucythrinate	ND	0.20
Anthraquinone	ND	0.20	Lambda-Cyhalothrin	ND	0.40
Bifenthrin	ND	1.00	Phenothrin (cis & trans)	ND	0.40
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
<b>Herbicide Methyl Esters</b>					
2-Phenylphenol	ND	0.20	Chlorpropham	ND	0.20
Acequinocyl	ND	2.0	Chlozolinate	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




### Certificate of Analysis

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

**Invoice Number:** 20-03383  
**PO Number:** 031020MAB-2  
**Received Date:** 3/10/2020

**Phone:** (360) 384-0485  
**Fax:** (360) 384-1746  
**Email:** Barleans Organic Oils Group

**Approved By:**   
**Approved Date:** 3/16/2020  
**Project Name:** Finished Product

Lab #: 13129		Sample: FG-10207, 20001103			Sample Date: 3/10/2020	
Analyte	Results	Units	Detection Limit	Method	Analyst	Date Analyzed
<b>Heavy Metals</b>						
Arsenic	<0.01	ppm	0.01	ESS_3.2.1.202 ICP-MS	MR	3/16/2020
Cadmium	<0.01	ppm	0.01	ESS_3.2.1.202 ICP-MS	MR	3/16/2020
Lead	<0.01	ppm	0.01	ESS_3.2.1.202 ICP-MS	MR	3/13/2020
Mercury	<0.01	ppm	0.01	ESS_3.2.1.207 ICP-MS	MR	3/13/2020
<b>Organic Chemistry</b>						
Class 1 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	3/12/2020
Class 2 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	3/12/2020
Class 3 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	3/12/2020

ND = Not detected above the listed detection limit

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