



Lot : 20003642

Item Number : FG-10207

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

Batch Date : 8/5/2020

Expiration Date : 2/6/2022

Batch Size : 1,150

Qty Produced : 1,084



Exact Scientific Services, Inc.

1355 Pacific Place
Suite 101
Ferndale, WA 98248

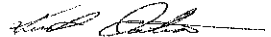
Phone: (360) 733-1205
Fax: (888) 818-2978
Email: lab@exactscientific.com

Certificate of Analysis

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

Invoice Number: 20-11525
PO Number: 080720MAB-3
Received Date: 8/7/2020

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

Approved By: 
Approved Date: 8/11/2020
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.

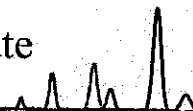


Certificate of Analysis

Lab #:	Sample:	Sample Date:				
45068	FG-10207, 20003642	8/7/2020				
Analyte	Results	Units	Detection Limit	Method	Analyst	Date Analyzed
Allergen						
Allergen:Gluten-r	<5	ppm		ESS_6.2.6-2.10.38	SMS	8/11/2020
Microbial Enumeration						
Aerobic Plate Count	<10	cfu/g	10	ESS_2.2.1	eg	8/10/2020
Staphylococcus aureus	Negative	cfu/g	10	ESS_2.2.3	eg	8/10/2020
Coliform	Negative	cfu/g	10	ESS_2.2.17	ER	8/8/2020
E. coli	Negative	cfu/g	10	ESS_2.2.17	ER	8/8/2020
Yeast	Negative	cfu/g	10	ESS_2.2.4.c	eg	8/10/2020
Mold	Negative	cfu/g	10	ESS_2.2.4.c	eg	8/10/2020
Microbiology Pathogens						
Salmonella spp	Negative	per 25 grams		ESS_2.2.6	MM	8/10/2020
Organic Chemistry						
Total Cannabinoids	32.4	mg/g		ESS_3.1.7.226	AF	8/10/2020
Glyphosate	<0.01	ppm	0.01	Glyphosphate	FC	8/11/2020
Total CBD (CBD + CBDA)	29.53	mg/g		ESS_3.1.7.226c MOU-0.0042%	AF	8/10/2020
CBDV	0.03	%		ESS_3.1.7.226	AF	8/10/2020
CBDA	< 0.01	%		ESS_3.1.7.226	AF	8/10/2020
CBGA	< 0.01	%		ESS_3.1.7.226	AF	8/10/2020
CBG	0.07	%		ESS_3.1.7.226	AF	8/10/2020
CBD	2.95	%		ESS_3.1.7.226	AF	8/10/2020
THCV	< 0.01	%		ESS_3.1.7.226	AF	8/10/2020
CBN	< 0.01	%		ESS_3.1.7.226	AF	8/10/2020
d-9 THC	0.10	%		ESS_3.1.7.226	AF	8/10/2020
d-8 THC	< 0.01	%		ESS_3.1.7.226	AF	8/10/2020
CBC	0.10	%		ESS_3.1.7.226	AF	8/10/2020
THCA	< 0.01	%		ESS_3.1.7.226	AF	8/10/2020
Total THC (d-9 THC + THCA)	0.10	%		ESS_3.1.7.226c MOU-0.0042%	AF	8/10/2020
CBD	27.16	mg/mL		ESS_3.1.7.226c MOU-0.0042%	AF	8/10/2020
Proximate						
Moisture	0.18	%		ESS_3.3.6.200.a	SO	8/11/2020
Fat	94.25	%		ESS_3.3.6.205	AH	8/10/2020

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Certificate ID: 85532

Received: 8/11/20

Scan QR Code
for authenticity



Barlean's

Client Sample ID: FG-10207

3660 Slater Road

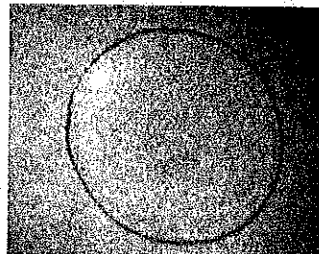
Lot Number: 20003642

Ferndale, WA 98248

Matrix: Tincture/Infused Oil - MCT Oil

Attn: Quality Control Team

Authorization: Chris Hudalla, Chief Science Officer	Signature: <i>Christopher Hudalla</i>	Date: 8/19/2020
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The data contained within this report was collected in accordance with the requirements of ISO/IEC 17025:2017. 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]

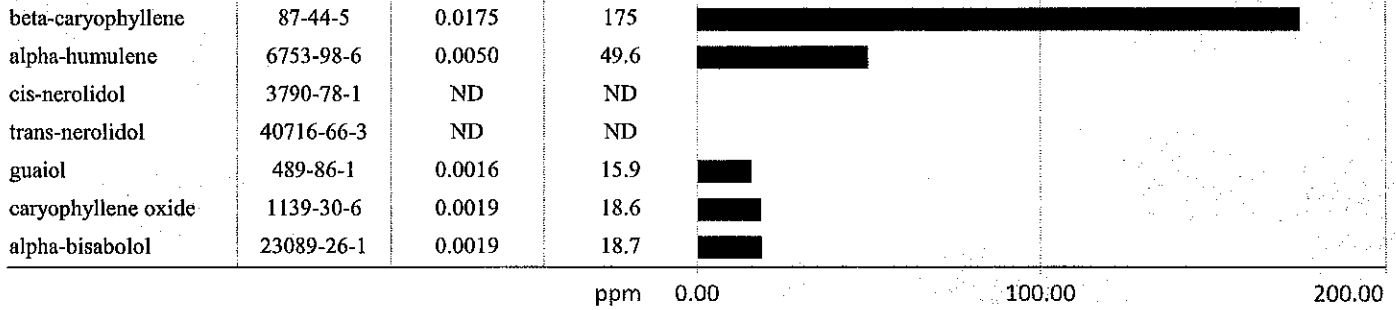
Analyst: CA

Test Date: 8/14/2020

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.

85532-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	0.0021	21.4	█
beta-pinene	127-91-3	<RL	<RL	
alpha-phellandrene	99-83-2	ND	ND	
delta-3-carene	13466-78-9	ND	ND	
alpha-terpinene	99-86-5	<RL	<RL	
alpha-ocimene	502-99-8	<RL	<RL	
D-limonene	138-86-3	0.0011	11.0	█
p-cymene	99-87-6	<RL	<RL	
cis-beta-ocimene	3338-55-4	<RL	<RL	
eucalyptol	470-82-6	<RL	<RL	
gamma-terpinene	99-85-4	<RL	<RL	
terpinolene	586-62-9	<RL	<RL	
linalool	78-70-6	0.0027	27.2	█
L-fenchone*	7787-20-4	ND	ND	
isopulegol	89-79-2	0.0008	7.70	█
menthol*	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	



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

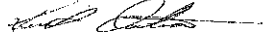


Certificate of Analysis

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

Invoice Number: 20-11525
PO Number: 080720MAB-3
Received Date: 8/7/2020

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

Approved By: 
Approved Date: 8/14/2020
Project Name: Finished Product

Lab #: 45069		Sample: FG-10207, 20003642			Sample Date: 8/7/2020	
Analyte	Results	Units	Detection Limit	Method	Analyst	Date Analyzed
Heavy Metals						
Arsenic	<0.01	ppm	0.01	ESS_3.2.1.202 ICP-MS	KN	8/13/2020
Cadmium	<0.01	ppm	0.01	ESS_3.2.1.202 ICP-MS	KN	8/13/2020
Lead	0.018	ppm	0.01	ESS_3.2.1.202 ICP-MS	MH	8/13/2020
Mercury	<0.01	ppm	0.01	ESS_3.2.1.207 ICP-MS	KN	8/13/2020
Organic Chemistry						
Class 1 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	8/12/2020
Class 2 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	8/12/2020
Class 3 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	8/12/2020

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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: 20-11525
PO Number: 080720MAB-3
Project Name: Finished Product

Analyst: Various
Supervisor: Kent Oostra

Date Collected:	8/7/2020	Date Received:	8/7/2020
Date Analyzed:	8/14/2020	Lab Number:	45069
Sample Description:		FG-10207, 20003642	

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	0.40
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 (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	Pentachlorothioanisole	ND	0.20
delta-BHC	ND	0.20	Tetradifon	ND	0.20
Dieldrin	ND	0.40	trans-Chlordane	ND	0.20
Endosulfan ether	ND	1.00	trans-Nonachlor	ND	0.20
Organophosphorus Pesticides					
Azinphos ethyl	ND	0.20	Leptophos	ND	0.20
Azinphos methyl	ND	0.20	Malathion	ND	1.00
Bromfeninfos-methyl	ND	0.20	Methacrifos	ND	0.20
Bromfeninfos	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	1.00
Chlorfeninfos	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	Prothiofos	ND	0.20
Edifenfos	ND	0.20	Pyraclufos	ND	0.20
EPN	ND	0.40	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	Tetrachlorinfos	ND	0.20
Iodofenfos	ND	0.20	Tolclofos-methyl	ND	0.20
Isazophos	ND	0.20	Triazophos	ND	0.20



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Pesticide Report

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

Ref Number: 20-11525
PO Number: 080720MAB-3
Project Name: Finished Product

Analyst: Various
Supervisor: Kent Oostra

Date Collected:	8/7/2020	Date Received:	8/7/2020
Date Analyzed:	8/14/2020	Lab Number:	45069
Sample Description:		FG-10207, 20003642	

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
Bupirimate	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	Pretilachlor	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	0.20
Fenpropathrin	ND	0.20	Pyrimethanil	ND	0.20
Flipronil	ND	0.20	Pyriproxyfen	ND	1.00
Fluchloralin	ND	0.20	Tebuconazole	ND	0.20
Fludoxenil	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	0.40	Triallate	ND	0.20
Isopropalin	ND	0.20	Tricyclazole (Beam)	ND	0.20
Lenacil	ND	0.20	Triflumizole	ND	0.20
Linuron	ND	0.20	Trifluralin	ND	0.20
Metazachlor	ND	0.20	Vinclozolin	ND	0.20
Methoxychlor	ND	0.20			



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Ref Number: 20-11525
PO Number: 080720MAB-3
Project Name: Finished Product

Analyst: Various
Supervisor: Kent Oostra

Date Collected:	8/7/2020	Date Received:	8/7/2020
Date Analyzed:	8/14/2020	Lab Number:	45069
Sample Description:		FG-10207, 20003642	

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	0.40
Bifenthrin	ND	0.20	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
Herbicide Methyl Esters					
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