



Lot : 19005996

Item Number : FG-10207

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

Batch Date : 11/13/2019

Expiration Date : 12/16/2020

Batch Size : 1,500

Qty Produced : 1,416



Exact Scientific Services, Inc.

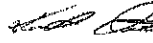
1355 Pacific Place
Suite 101
Ferndale, WA 98248
Phone: (360) 733-1205
Fax: (888) 818-2978
Email: lab@exactscientific.com

Certificate of Analysis

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

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

Invoice Number: 19-18683
PO Number: 121719MAB-3
Received Date: 12/17/2019

Approved By: 
Approved Date: 12/24/2019
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 #: 74994		Sample: FG-10207, 19005996			Sample Date: 12/17/2019	
Analyte	Results	Units	Detection Limit	Method	Analyst	Date Analyzed
Allergen						
Allergen:Gluten-r	<5	ppm		ESS_6.2.6-2.10.38	FC	12/19/2019
General Chemistry						
Density	0.929	g/mL		ESS_3.3.6.225	AB	12/18/2019
Microbial Enumeration						
Aerobic Plate Count	<10	cfu/g	10	ESS_2.2.1	SMS	12/19/2019
Staphylococcus aureus	Negative	cfu/g	10	ESS_2.2.3	SMS	12/19/2019
Coliform	Negative	cfu/g	10	ESS_2.2.17	SMS	12/18/2019
E. coli	Negative	cfu/g	10	ESS_2.2.17	SMS	12/18/2019
Yeast	Negative	cfu/g	10	ESS_2.2.4.c	SMS	12/19/2019
Mold	Negative	cfu/g	10	ESS_2.2.4.c	SMS	12/19/2019
Microbiology Pathogens						
Salmonella spp	Negative	per 25 grams		ESS_2.2.6	SS	12/18/2019
Organic Chemistry						
Total Cannabinoids	31.3	mg/g		ESS_3.1.7.226	JF	12/17/2019
Glyphosate	<0.01	ppm	0.01	Glyphosphate	FC	12/23/2019
Total CBD (CBD + CBDA)	28.8	mg/g		ESS_3.1.7.226c	JF	12/17/2019
CBDV	0.01	%		ESS_3.1.7.226	JF	12/17/2019
CBDA	< 0.01	%		ESS_3.1.7.226	JF	12/17/2019
CBGA	included in CBG result	%		ESS_3.1.7.226	JF	12/17/2019
CBG	0.07	%		ESS_3.1.7.226	JF	12/17/2019
CBD	2.88	%		ESS_3.1.7.226	JF	12/17/2019
THCV	< 0.01	%		ESS_3.1.7.226	JF	12/17/2019
CBN	< 0.01	%		ESS_3.1.7.226	JF	12/17/2019
d-9 THC	0.11	%		ESS_3.1.7.226	JF	12/17/2019
d-8 THC	< 0.01	%		ESS_3.1.7.226	JF	12/17/2019
CBC	0.06	%		ESS_3.1.7.226	JF	12/17/2019
THCA	< 0.01	%		ESS_3.1.7.226	JF	12/17/2019
Total THC (d-9 THC + THCA)	0.11	%		ESS_3.1.7.226c	JF	12/17/2019
CBD	26.80	mg/mL		ESS_3.1.7.226c	JF	12/17/2019
Proximate						
Moisture	0.43	%		ESS_3.3.6.200.a	MH	12/18/2019
Fat	94.12	%		ESS_3.3.6.205	SB	12/18/2019

ND = Not detected above the listed detection limit

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Certificate ID: 73927
 Client Sample ID: FG-10207
 Lot Number: 19005996
 Matrix: Tincture/Infused Oil - MCT Oil

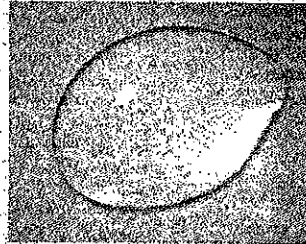
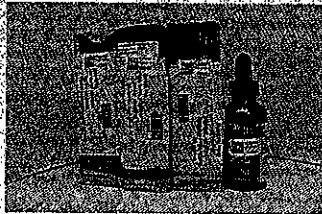
Received: 12/19/19

Scan QR Code for authenticity



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

Authorization: Elizabeth R. Wagoner, Lab Director	Signature: 	Date: 12/26/2019
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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: JR

Test Date: 12/21/2019

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.

73927-TP

Compound	ppm	Terpene Profile	Compound	ppm	Terpene Profile
beta-myrcene	37		camphene		
isopulegol			L-fenchone		
menthol			beta-pinene		
cis-nerolidol			eucalyptol		
trans-nerolidol			alpha-terpinene		
gamma-terpinene			delta-3-carene		
alpha-bisabolol	8		alpha-pinene		
linalool	9		D-limonene	33	
beta-caryophyllene	225		geraniol		
caryophyllene oxide	10		cis-beta-ocimene		
guaiol			alpha-ocimene		
sabinene			alpha-phellandrene		
alpha-humulene	49		terpinolene		
p-cymene					
ppm: 0.00		250.00	500.00	0.00	
Total Terpene: <0.1 wt%				250.00	
				500.00	

END OF REPORT



1355 Pacific Place Ste 101
 Ferndale, WA 98248
 lab@exactscientific.com
 360-733-1205

Pesticide Report

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

Phone: (360) 394-0485
Email: Barlean's Organic Oils Group

Ref Number: 19-18683
PO Number: 121719MAB-3
Project Name: Finished Product

Analyst: Various
Supervisor: Kent Oostra

Date Collected:	12/17/2019	Date Received:	12/17/2019
Date Analyzed:	12/19/2019	Lab Number:	74995
Sample Description:		FG-10207, 19005996	

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	Ethion (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	Pentachloroisole	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	1.00
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	1.00
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	1.00
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	Prothiophos	ND	0.20
Edifenphos	ND	0.20	Pyracifos	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	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: 19-18683
PO Number: 121719MAB-3
Project Name: Finished Product

Analyst: Various
Supervisor: Kent Oostra

Date Collected:	12/17/2019	Date Received:	12/17/2019
Date Analyzed:	12/19/2019	Lab Number:	74995
Sample Description:		FG-10207, 19005996	

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
Alidochlor	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	Prodimamine	ND	0.20
Dimethachlor	ND	0.20	Profuralin	ND	0.20
Diphenamid	ND	0.20	Propachlor	ND	0.20
Diphenylamine	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
Flpronil	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	1.00	Terbutylazine	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	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			

Pesticide Report

Client: Barlean's Organic Oils
 3860 Slater Rd
 Ferndale, WA 98248

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

Ref Number: 19-18683
PO Number: 121719MAB-3
Project Name: Finished Product

Analyst: Various
Supervisor: Kent Oostra

Date Collected: 12/17/2019	Date Received: 12/17/2019
Date Analyzed: 12/19/2019	Lab Number: 74995
Sample Description: FG-10207, 19005996	

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	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
Herbicide Methyl Esters					
2-Phenylphenol	ND	0.20	Chlorpropham	ND	0.20
Acequinocyl	ND	2.0	Chlozolinate	ND	0.20
Bromopropylate	ND	1.00	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

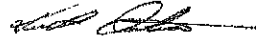


Certificate of Analysis

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

Invoice Number: 19-18683
PO Number: 121719MAB-3
Received Date: 12/17/2019

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

Approved By: 
Approved Date: 12/20/2019
Project Name: Finished Product

Lab #: 74995		Sample: FG-10207, 19005996			Sample Date: 12/17/2019		
Analyte	Results	Units	Detection Limit	Method	Analyst	Date Analyzed	
Heavy Metals							
Arsenic	<0.01	ppm	0.01	ESS_3.2.1.202 ICP-MS	MR	12/19/2019	
Cadmium	<0.01	ppm	0.01	ESS_3.2.1.202 ICP-MS	MR	12/19/2019	
Lead	0.010	ppm	0.01	ESS_3.2.1.202 ICP-MS	MR	12/19/2019	
Mercury	<0.01	ppm	0.01	ESS_3.2.1.207 ICP-MS	MR	12/19/2019	
Organic Chemistry							
Class 1 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	12/19/2019	
Class 2 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	12/19/2019	
Class 3 - Solvents	Conforms to USP 467	C/F		ESS_3.1.8.500	EM	12/19/2019	

ND = Not detected above the listed detection limit

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