

Sample Name: GLO 500mg Full Spectrum Lot:053

Client: gaialogicorganics

Sample Type: Liquid

Strain: Unknown

Moisture: 0.0% [LPG-001]

Submitted: July 05, 2018

Tested: July 05, 2018

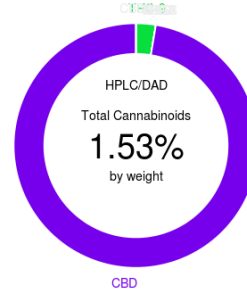
Expires: July 01, 2019

Submitted for: HPLC, Chemres, Terpenes, Residual Solvent,

Profiling by Liquid Chromatography - Pass

(SOP-014) | Date Performed: 2018-07-13

Cannabinoid	Percent	mg/g	mg/mL	LOQ (mg/g)	LOD (mg/g)	L.C. ¹	Status
d9-THC	0.04	0.36	0.34	0.30	0.10	-	Pass
d8-THC	ND ¹	ND ¹	ND ¹	0.30	0.10	-	Pass
THCA	ND ¹	ND ¹	ND ¹	0.30	0.10	-	Pass
THCV	ND ¹	ND ¹	ND ¹	0.30	0.10	-	Pass
CBG	<LOQ	<LOQ	<LOQ	0.30	0.10	-	Pass
CBGA	ND ¹	ND ¹	ND ¹	0.30	0.10	-	Pass
CBN	ND ¹	ND ¹	ND ¹	0.30	0.10	-	Pass
CBD	1.49	14.88	14.17	0.30	0.10	-	Pass
CBDV	<LOQ	<LOQ	<LOQ	0.30	0.10	-	Pass
CBDA	ND ¹	ND ¹	ND ¹	0.30	0.10	-	Pass
Total	1.53	15.24	14.51	NA	NA	-	Pass
Total THC	0.04	0.36	0.34	-	-	-	Pass
Total CBD	1.49	14.88	14.17	-	-	-	Pass



Product Density (HPLC) = 952.0 mg/ml
 ~100% Decarboxylated THC
¹L.C. = Label Claim in Mg/g
 Total THC = ((THCA*0.877)+ d9-THC)
 Total CBD = ((CBDA*0.877)+ CBD)

Microbiological Screening -

Petrifilm screening for microbiological contamination. [SOP-009] | Date Performed:

	Analysis	Limit of Detection	Action Limits	Status
Shiga-Toxin E. Coli	NA	< 1 cfu/g	cfu/g	
Salmonella	NA	< 1 cfu/g	cfu/g	
Aspergillus	NA	< 1 cfu/g	cfu/g	
Pseudomonas	NA	< 1 cfu/g	cfu/g	
APC	NA	< 1 cfu/g	cfu/g	
E. Coli	NA	< 1 cfu/g	cfu/g	
Coliform	NA	< 1 cfu/g	cfu/g	
Yeast & Mold	NA	< 1 cfu/g	cfu/g	

*TNTC = Too Numerous To Count

¹ND = Not Detected

Residual Solvent Analysis - Pass

Analysis of residual solvents. [SOP-011] | Date Performed: 2018-07-19

Solvent	ug/g	Action Limit	LOQ (ug/g)	LOD (ug/g)	Status
Benzene	ND ¹	0.00	1.00	0.33	Pass
Chloroform	ND ¹	0.00	1.00	0.33	Pass
1-2-Dichloroethane	ND ¹	0.00	1.00	0.33	Pass
Ethylene Oxide	ND ¹	0.00	1.00	0.33	Pass
Methylene Choride	ND ¹	0.00	1.00	0.33	Pass
Trichloroethylene	ND ¹	0.00	1.00	0.33	Pass
Acetone	ND ¹	5000.00	150.00	10.00	Pass
Acetonitrile	ND ¹	410.00	6.00	2.30	Pass
Ethanol	ND ¹	5000.00	250.00	2.00	Pass
Ethyl Acetate	ND ¹	5000.00	250.00	2.00	Pass
Ethyl ether	ND ¹	5000.00	250.00	2.00	Pass
Heptane	ND ¹	5000.00	250.00	2.00	Pass
Hexane	ND ¹	290.00	6.00	2.00	Pass
Isopropanol	ND ¹	5000.00	50.00	10.00	Pass
Methanol	ND ¹	3000.00	50.00	10.00	Pass
N-Butane	ND ¹	5000.00	50.00	6.50	Pass
Pentane	ND ¹	5000.00	50.00	1.00	Pass
Propane	ND ¹	5000.00	200.00	10.00	Pass
Toluene	ND ¹	890.00	3.00	1.00	Pass
Total Xylenes	ND ¹	2170.00	3.00	1.00	Pass

¹ND = Not Detected

**Client Limit is self-selected and will be replaced by official CA State limits when they become available

Foreign Material Analysis -

Analysis to determine whether foreign material is present | Date Performed:

Analysis	Status

CW uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgement. However, CW makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of these data in any way. Further, CW makes no claims regarding the representativeness of the analyzed sample to the larger batch from which it was taken. As part of our strict confidentiality policy, CW can only discuss results with the original client of record. Comments? lab@cwanalytical.com



This sample was tested by CW Analytical Laboratories. Results are valid through the expiration date indicated.

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 Submitted for: HPLC, Chemres, Terpenes, Residual Solvent,

Chemical Residue Screening - Pass

Targeted analysis of chemical residues. [SOP-017] | Date Performed: 2018-07-13

	ug/g	LOQ (ug/g)	LOD (ug/g)	Action Limit	Status		ug/g	LOQ (ug/g)	LOD (ug/g)	Action Limit	Status
Aldicarb	ND ¹	0.02	0.01	0.00	Pass	Diazinon	ND ¹	0.01	0.01	0.20	Pass
Carbofuran	ND ¹	0.01	0.01	0.00	Pass	Dimethomorph	ND ¹	0.01	0.01	20.00	Pass
Chlorpyrifos	ND ¹	0.05	0.02	0.00	Pass	Etoxazole	ND ¹	0.01	0.01	1.50	Pass
Coumaphos	ND ¹	0.02	0.01	0.00	Pass	Fenhexamid	ND ¹	0.01	0.01	10.00	Pass
Daminozide	ND ¹	0.02	0.01	0.00	Pass	Fenpyroximate	ND ¹	0.01	0.01	2.00	Pass
Dichlorvos	ND ¹	0.01	0.01	0.00	Pass	Fludioxonil	ND ¹	0.01	0.01	30.00	Pass
Dimethoate	ND ¹	0.02	0.01	0.00	Pass	Flonicamid	ND ¹	0.02	0.01	0.20	Pass
Ethoprophos	ND ¹	0.02	0.01	0.00	Pass	Hexythiazox	ND ¹	0.02	0.01	2.00	Pass
Etofenprox	ND ¹	0.01	0.01	0.00	Pass	Imidacloprid	ND ¹	0.01	0.01	3.00	Pass
Fenoxycarb	ND ¹	0.01	0.01	0.00	Pass	Kresoxim-methyl	ND ¹	0.01	0.01	1.00	Pass
Fipronil	ND ¹	0.02	0.01	0.00	Pass	Metalaxyl	ND ¹	0.00	0.00	15.00	Pass
Imazalil	ND ¹	0.00	0.00	0.00	Pass	Methomyl	ND ¹	0.01	0.01	0.10	Pass
Malathion	ND ¹	0.03	0.01	5.00	Pass	Myclobutanil	ND ¹	0.01	0.01	9.00	Pass
Methiocarb	ND ¹	0.01	0.01	0.00	Pass	Oxamyl	ND ¹	0.02	0.01	0.20	Pass
Mevinphos	ND ¹	0.01	0.01	0.00	Pass	Permethrin	ND ¹	0.02	0.01	20.00	Pass
Paclobutrazol	ND ¹	0.01	0.01	0.00	Pass	Phosmet	ND ¹	0.01	0.01	0.20	Pass
Propoxure	ND ¹	0.01	0.01	0.00	Pass	Piperonyl butoxide	ND ¹	0.01	0.01	8.00	Pass
Spiroxamine	ND ¹	0.01	0.01	0.00	Pass	Prallethrin	ND ¹	0.03	0.01	0.40	Pass
Thiacloprid	ND ¹	0.01	0.01	0.00	Pass	Propiconazole	ND ¹	0.01	0.01	20.00	Pass
Abamectin	ND ¹	0.02	0.01	0.30	Pass	Pyrethrin	ND ¹	0.04	0.01	1.00	Pass
Acequinocyl	ND ¹	0.01	0.01	4.00	Pass	Pyridaben	ND ¹	0.00	0.00	15.00	Pass
Acetamiprid	ND ¹	0.01	0.01	5.00	Pass	Spinetoram	ND ¹	0.01	0.01	3.00	Pass
Azoxystrobin	ND ¹	0.01	0.01	40.00	Pass	Spinosad	ND ¹	0.01	0.01	3.00	Pass
Bifenazate	ND ¹	0.01	0.01	5.00	Pass	Spiromesifen	ND ¹	0.03	0.01	12.00	Pass
Bifenthrin	ND ¹	0.07	0.02	0.50	Pass	Spirotetramat	ND ¹	0.01	0.01	13.00	Pass
Boscalid	ND ¹	0.01	0.01	10.00	Pass	Tebuconazole	ND ¹	0.03	0.01	2.00	Pass
Carbaryl	ND ¹	0.01	0.01	0.50	Pass	Thiamethoxam	ND ¹	0.01	0.01	4.50	Pass
Chlorantraniliprole	ND ¹	0.02	0.01	40.00	Pass	Trifloxystrobin	ND ¹	0.01	0.01	30.00	Pass
Clofentezine	ND ¹	0.02	0.01	0.50	Pass						

¹ND = Not Detected
 NT = Not Tested

Terpene Profiling - Pass

Analysis of terpenes. [SOP-012] | Date Performed: 2018-07-25

	Percent	mg/g	L OQ (mg/g)	LO D (mg/g)	L.C. ²	Status		Percent	mg/g	L OQ (mg/g)	LO D (mg/g)	L.C. ²	Status
b-Myrcene	ND ¹	0.00	0.1	0.03	-	Pass	Camphor	ND ¹	0.00	0.1	0.03	-	Pass
Nerol	ND ¹	0.00	0.1	0.03	-	Pass	Borneol	ND ¹	0.00	0.1	0.03	-	Pass
Nerolidol	ND ¹	0.00	0.1	0.03	-	Pass	Pulegone	ND ¹	0.00	0.1	0.03	-	Pass
Ocimene	ND ¹	0.00	0.1	0.03	-	Pass	Cedrol	ND ¹	0.00	0.1	0.03	-	Pass
a-Bisbolol	ND ¹	0.00	0.1	0.03	-	Pass	b-Caryophyllene	ND ¹	0.00	0.1	0.03	-	Pass
Farnasene	ND ¹	0.00	0.1	0.03	-	Pass	Elemene	ND ¹	0.00	0.1	0.03	-	Pass
Valencene	ND ¹	0.00	0.1	0.03	-	Pass	Phellandrene	ND ¹	0.00	0.1	0.03	-	Pass
d3-Carene	ND ¹	0.00	0.1	0.03	-	Pass	Isopulegol	ND ¹	0.00	0.1	0.03	-	Pass
d-Limonene	ND ¹	0.00	0.1	0.03	-	Pass	Linalool	ND ¹	0.00	0.1	0.03	-	Pass
g-Terpinene	ND ¹	0.00	0.1	0.03	-	Pass	(+)-Fenchone	ND ¹	0.00	0.1	0.03	-	Pass
a-Pinene	ND ¹	0.00	0.1	0.03	-	Pass	a-Caryophyllene	ND ¹	0.00	0.1	0.03	-	Pass
Sabinene	ND ¹	0.00	0.1	0.03	-	Pass	Guaiol	ND ¹	0.00	0.1	0.03	-	Pass
b-Pinene	ND ¹	0.00	0.1	0.03	-	Pass	Bergamotene	ND ¹	0.00	0.1	0.03	-	Pass
Camphene	ND ¹	0.00	0.1	0.03	-	Pass	Terpineol	ND ¹	0.00	0.1	0.03	-	Pass
Eucalyptol	ND ¹	0.00	0.1	0.03	-	Pass	Terpinolene	ND ¹	0.00	0.1	0.03	-	Pass
(-)-Fenchone	ND ¹	0.00	0.1	0.03	-	Pass	a-Terpinene	ND ¹	0.00	0.1	0.03	-	Pass
Fenchol	ND ¹	0.00	0.1	0.03	-	Pass							

Total Terpenes 0.0 Percent

¹ND = Not Detected
²L.C. = Label Claim



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