

**Sample Name: GLO 1000mg Isolate Lot:012**

Client: gaialogicorganics

Sample Type: Liquid

Strain: Unknown

Moisture: 0.0% [LPG-001]

Submitted: July 05, 2018

Tested: July 05, 2018

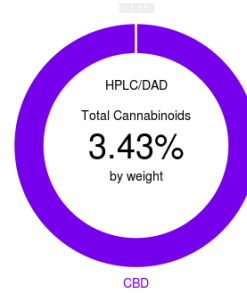
Expires: July 01, 2019

Submitted for: HPLC, Chemres, 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. <sup>1</sup>	Status
d9-THC	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	0.30	0.10	-	Pass
d8-THC	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	0.30	0.10	-	Pass
THCA	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	0.30	0.10	-	Pass
THCV	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	0.30	0.10	-	Pass
CBG	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	0.30	0.10	-	Pass
CBGA	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	0.30	0.10	-	Pass
CBN	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	0.30	0.10	-	Pass
CBD	3.43	34.35	33.52	0.30	0.10	-	Pass
CBDV	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	0.30	0.10	-	Pass
CBDA	ND <sup>1</sup>	ND <sup>1</sup>	ND <sup>1</sup>	0.30	0.10	-	Pass
<b>Total</b>	<b>3.43</b>	<b>34.35</b>	<b>33.52</b>	<b>NA</b>	<b>NA</b>	<b>-</b>	<b>Pass</b>
<b>Total THC</b>	<b>ND<sup>1</sup></b>	<b>ND<sup>1</sup></b>	<b>ND<sup>1</sup></b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Pass</b>
<b>Total CBD</b>	<b>3.43</b>	<b>34.35</b>	<b>33.52</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Pass</b>



Product Density (HPLC) = 976.0 mg/ml  
 ~0% Decarboxylated THC  
<sup>1</sup>L.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

<sup>1</sup>ND = 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 <sup>1</sup>	0.00	1.00	0.33	Pass
Chloroform	ND <sup>1</sup>	0.00	1.00	0.33	Pass
1-2-Dichloroethane	ND <sup>1</sup>	0.00	1.00	0.33	Pass
Ethylene Oxide	ND <sup>1</sup>	0.00	1.00	0.33	Pass
Methylene Choride	ND <sup>1</sup>	0.00	1.00	0.33	Pass
Trichloroethylene	ND <sup>1</sup>	0.00	1.00	0.33	Pass
Acetone	ND <sup>1</sup>	5000.00	150.00	10.00	Pass
Acetonitrile	ND <sup>1</sup>	410.00	6.00	2.30	Pass
Ethanol	<LOQ	5000.00	250.00	2.00	Pass
Ethyl Acetate	ND <sup>1</sup>	5000.00	250.00	2.00	Pass
Ethyl ether	ND <sup>1</sup>	5000.00	250.00	2.00	Pass
Heptane	ND <sup>1</sup>	5000.00	250.00	2.00	Pass
Hexane	ND <sup>1</sup>	290.00	6.00	2.00	Pass
Isopropanol	ND <sup>1</sup>	5000.00	50.00	10.00	Pass
Methanol	ND <sup>1</sup>	3000.00	50.00	10.00	Pass
N-Butane	ND <sup>1</sup>	5000.00	50.00	6.50	Pass
Pentane	ND <sup>1</sup>	5000.00	50.00	1.00	Pass
Propane	ND <sup>1</sup>	5000.00	200.00	10.00	Pass
Toluene	ND <sup>1</sup>	890.00	3.00	1.00	Pass
Total Xylenes	ND <sup>1</sup>	2170.00	3.00	1.00	Pass

\*ND = 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.

*Robert W Martin, PhD*  
 Robert W Martin, PhD

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 Moisture: 0.0% [LPG-001]

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

<sup>1</sup>ND = Not Detected  
 NT = Not Tested

**Terpene Profiling<sup>1</sup> -**

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

PPM	mg/g	L	LO	L.C. <sup>2</sup>	Status	PPM	mg/g	L	LO	L.C. <sup>2</sup>	Status
		QQ (mg/g)	D (mg/g)					QQ (mg/g)	D (mg/g)		
b-Myrcene	NT					Camphor	NT				
Nerol	NT					Borneol	NT				
Nerolidol	NT					Pulegone	NT				
Ocimene	NT					Cedrol	NT				
a-Bisbolol	NT					b-Caryophyllene	NT				
Farnasene	NT					Elemene	NT				
Valencene	NT					Phellandrene	NT				
d3-Carene	NT					Isopulegol	NT				
d-Limonene	NT					Linalool	NT				
g-Terpinene	NT					(+)-Fenchone	NT				
a-Pinene	NT					a-Caryophyllene	NT				
Sabinene	NT					Guaiol	NT				
b-Pinene	NT					Bergamotene	NT				
Camphene	NT					Terpineol	NT				
Eucalyptol	NT					Terpinolene	NT				
(-)-Fenchone	NT					a-Terpinene	NT				
Fenchol	NT										

**Total Terpenes 0.0 PPM**

<sup>1</sup>ND = Not Detected  
<sup>2</sup>L.C. = Label Claim

