

Sample Name: GLO 500mg Isolate Lot:052

Client: gaialogicorganics

Sample Type: Liquid

Strain: Unknown

Moisture: 0.0% [LPG-001]

Submitted: July 05, 2018

Tested: July 05, 2018

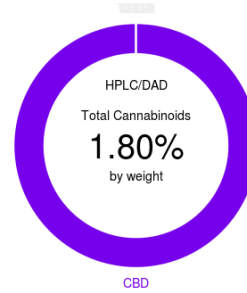
Expires: July 01, 2019

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. ¹	Status
d9-THC	ND ¹	ND ¹	ND ¹	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	ND ¹	ND ¹	ND ¹	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	1.80	17.95	17.27	0.30	0.10	-	Pass
CBDV	ND ¹	ND ¹	ND ¹	0.30	0.10	-	Pass
CBDA	ND ¹	ND ¹	ND ¹	0.30	0.10	-	Pass
Total	1.80	17.95	17.27	NA	NA	-	Pass
Total THC	ND¹	ND¹	ND¹	-	-	-	Pass
Total CBD	1.80	17.95	17.27	-	-	-	Pass



Product Density (HPLC) = 962.0 mg/ml
 ~0% 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	<LOQ	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

^{*}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



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Submitted for: HPLC, Chemres, 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 Profiling¹ -

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

PPM	mg/g	L	LO	L.C. ²	Status	PPM	mg/g	L	LO	L.C. ²	Status
		QQ	D (mg/g)					QQ	D (mg/g)		
		(mg/g)						(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

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



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

Robert W Martin, PhD
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