



CERTIFICATE OF ANALYSIS
Product: GLO CBD 10mg Tablet
Lot #: 218418

Date of Manufacture: 2/18/2019

This Certificate represents exact test data from Third Party Lab analysis, performed in accordance with the requirements of ISO/IEC 17025, and is reported in its entirety.

Extended Cannabinoids Test					
Cannabinoid	mg/Tablet	%	mg/g	LOD(mg/g)	LOQ(mg/g)
CBC	ND	ND	ND	0.150	0.45
CBD	12.41	3.08	28	0.150	0.45
CBDA	ND	ND	ND	0.146	0.44
CBDV	ND	ND	ND	0.150	0.46
CBG	ND	ND	ND	0.149	0.45
CBGA	ND	ND	ND	0.147	0.44
CBN	ND	ND	ND	0.144	0.44
THC	ND	ND	ND	0.148	0.45
Δ8-THC	ND	ND	ND	0.148	0.45
THCA	ND	ND	ND	0.148	0.45
THCV	ND	ND	ND	0.146	0.44
Total Measured	12.41	3.08	31		

ND = None detected

LOD = Limit of Detection

LOQ = Limit of Quantitation

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report.

Symbol	Analysis	Results	Units	Limits*	Status
AC	Total Aerobic Bacterial Count	<100	CFU/g	1 00,000 CFU/g	PASS
CC	Total Coliform Bacterial Count	<100	CFU/g	1,000 CFU/g	PASS
EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	1,000 CFU/g	PASS
YM	Total Yeast & Mold	<100	CFU/g	10,000 CFU/g	PASS

Note: All recorded Microbiological tests are within the established limits.

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Analysis	Results	Units	Limits*	Status
E. coli (0157)	Negative	NA	Non Detected	PASS
Salmonella	Negative	NA	Non Detected	PASS

Note: All recorded pathogenic bacteria tests passed.

Mycotoxin Testing

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report.

Test ID	Date	Results	MDL	Limits	Status*
Total Aflatoxin	9/30/2018	<MDL	3 ppb	<20 ppb	PASS
Total Ochratoxin	9/30/2018	<MDL	2 ppb	<20 ppb Results	PASS

Analysis of Volatile Organic Compounds

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.

Compound	CAS	Amount ¹	Limit ²	Status
Propane	74-98-6	ND	N/A	-
Isobutane	75-28-5	ND	5,000 ppm	PASS
Butane	106-97-8	ND	5,000 ppm	PASS
Methanol	67-56-1	8ppm	3,000 ppm	PASS
Ethanol	64-17-5	28ppm	5,000 ppm	PASS
Acetone	67-64-1	ND	5,000 ppm	PASS
Isopropanol	67-63-0	10 ppm	5,000 ppm	PASS
Acetonitrile	75-05-8	ND	410 ppm	PASS
Hexane	110-54-3	ND	290ppm	PASS
Heptane	142-82-5	ND	5,000 ppm	PASS

1) ND = None detected above 5 ppm.

2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

Heavy Metal Analysis

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Symbol	Metal	Conc. ¹	Units	MDL	Use Limits ²		Units	Status
					All	Ingestion		
As	Arsenic	ND	µg/kg	4	200	1500	µg/kg	PASS
Cd	Cadmium	ND	µg/kg		200	500	µg/kg	PASS
Hg	Mercury	ND	µg/kg	2	100	1500	µg/kg	PASS
Pb	Lead	11	µg/kg	2	500	1000	µg/kg	PASS

1)ND = None detected to Lowest Limits of Detection (LLD)

2)MA Dept. of Public Health: Protocol for MMJ and MIPS, Exhibit 4(a) for all products. 3)USP exposure limits based on daily oral dosing of 1 g of concentrate for a 110 lb. person.

Pesticide Analysis

The client sample was analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis (EN 15662).

Analyte	CAS	Result	Units	LLD	Limits (ppb)	Status
Abamectin	71751-41-2	ND	ppb	0.20	300	PASS
Abamectin B1b	65195-56-4	ND	ppb	0.20	300	PASS
Azoxystrobin	131860-33-8	ND	ppb	0.10	40000	PASS
Bifenazate	149877-41-8	ND	ppb	0.10	5000	PASS
Bifenthrin	82657-04-3	ND	ppb	0.20	500	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.50	1000	PASS
Daminozide	1596-84-5	ND	ppb	10.00	10	PASS
Etoxazole	153233-91-1	ND	ppb	0.10	1500	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.10	10	PASS
Imazalil	35554-44-0	ND	ppb	0.10	10	PASS
Imidacloprid	138261-41-3	ND	ppb	0.10	3000	PASS
Myclobutanil	88671-89-0	ND	ppb	0.10	9000	PASS
Paclobutrazol	76738-62-0	ND	ppb	0.10	10	PASS
Piperonyl butoxide	51-03-6	ND	ppb	0.10	8000	PASS
Pyrethrin	8003-34-7	ND	ppb	0.1	1000	PASS
Spinosad	168316-95-8	ND	ppb	0.1	3000	PASS
Spiromesifen	283594-90-1	ND	ppb	0.10	12000	PASS
Spirotetramat	203313-25-1	ND	ppb	0.10	13000	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.10	30000	PASS

* Testing limits for ingestion established by the State of California: CCR, Title 16, Division 42, Chapter 5, Section 5313. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.

Test	Specification	Result	Unit
Color	White to slight pink	Conforms	-
Appearance	Smooth sides	Conforms	-
Taste	Berry	Conforms	-
Imprint	Hexagon symbol	Conforms	-
Friability	≤ 1	0.51	%
Disintegration Time	< 15	12:58	min/sec
Thickness	6.0 – 6.2	6.08	mm
Weight	0.400 - 0.418	0.412	g
% Moisture	< 8	5.60	%
Extraneous Material	< 2	< 1	ppg

END OF REPORT

Note: Portions of this certificate of analysis was generated using third party lab results.