

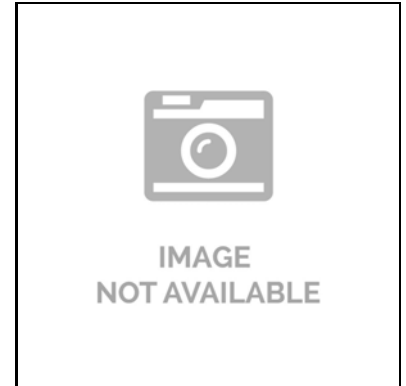
Certificate of Analysis

Client Name: Cultivated CBD	Matrix: Distillate
Client Address: 22 N 5th St., Minneapolis, MN 55403	Date Received: 7/30/2020 2:09:00PM
Sample ID: CBG Vape Cart	Lab Sample ID: 2003001-01
Lot/Batch #:	Date of Report: 8/21/2020 9:02:35AM

Analysis	Requested (Yes/No)
Cannabinoid Profile	Yes
Terpene Profile	Yes
Aflatoxins	No
Heavy Metals	Yes
Residual Solvents	No
Microbial Testing	No
Pesticides	Yes



Sample, packaged



Sample, actual

Cannabinoid Profile 2003001-01 CBG Vape Cart

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Cannabichromene (CBC)	0.578	0.0241	% by Weight	HPLC	8/4/20 12:49 pm	
Cannabidiol (CBD)	0.765	0.0241	% by Weight	HPLC	8/4/20 12:49 pm	
Cannabidiolic Acid (CBDA)	0.0178	0.00241	% by Weight	HPLC	8/4/20 12:49 pm	
Cannabigerol (CBG)	60.7	2.41	% by Weight	HPLC	8/4/20 12:49 pm	
Cannabigerolic Acid (CBGA)	0.0332	0.00241	% by Weight	HPLC	8/4/20 12:49 pm	T-8
Cannabinol (CBN)	0.0144	0.00241	% by Weight	HPLC	8/4/20 12:49 pm	
Delta-9-Tetrahydrocannabinol (d9-THC)	0.189	0.00241	% by Weight	HPLC	8/4/20 12:49 pm	
THCA-A	0.00458	0.00241	% by Weight	HPLC	8/4/20 12:49 pm	
Total CBG	60.7	2.41	% by Weight	HPLC	8/4/20 12:49 pm	T-8
Total CBD	0.781	0.0262	% by Weight	HPLC	8/4/20 12:49 pm	
Total THC	0.193	0.00453	% by Weight	HPLC	8/4/20 12:49 pm	

Bach Pham For Sarah Smestad - Chemist II/Client Manager I

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All samples will be retained by Legend Technical Services, Inc. unless consumed in the analysis, for 30 days from the date of this report and then discarded unless other arrangements are made. ISO/IEC 17025:2017 Accredited, A2LA Certificate 2950.01.

Certificate of Analysis

Terpene Profile

2003001-01

CBG Vape Cart

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
(-)-Alpha-Bisabolol	0.043	0.0037	% by Weight	EPA 8270E	8/4/20 9:09 pm	
(R)-(+)-Limonene	0.20	0.0037	% by Weight	EPA 8270E	8/4/20 9:09 pm	
alpha-Humulene	<0.0037	0.0037	% by Weight	EPA 8270E	8/4/20 9:09 pm	
alpha-Pinene	0.40	0.0037	% by Weight	EPA 8270E	8/4/20 9:09 pm	
beta-Myrcene	<0.0037	0.0037	% by Weight	EPA 8270E	8/4/20 9:09 pm	
Geraniol	<0.0037	0.0037	% by Weight	EPA 8270E	8/4/20 9:09 pm	
Linalool	<0.0037	0.0037	% by Weight	EPA 8270E	8/4/20 9:09 pm	
Terpinolene	<0.0037	0.0037	% by Weight	EPA 8270E	8/4/20 9:09 pm	
trans-Caryophyllene	<0.0037	0.0037	% by Weight	EPA 8270E	8/4/20 9:09 pm	

Heavy Metals

2003001-01

CBG Vape Cart

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Arsenic	<1.0	1.0	ug/g	EPA 6010D	8/19/20 4:44 pm	
Cadmium	<0.050	0.050	ug/g	EPA 6010D	8/19/20 4:44 pm	
Lead	<0.75	0.75	ug/g	EPA 6010D	8/19/20 4:44 pm	
Mercury	<0.50	0.50	ug/g	EPA 6010D	8/19/20 4:44 pm	

Certificate of Analysis

Pesticides

2003001-01

CBG Vape Cart

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
3-Hydroxycarbofuran	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Bendiocarb	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Bifenazate	<2.4	2.4	ug/g	LC-MS/MS	8/10/20 2:26 pm	R-07
Carbofuran (Furadan)	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Chloroxuron	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Chlorotoluron	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Cycluron	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Cymoxanil	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Diethofencarb	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Diuron	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Fenobucarb	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Fenoxycarb	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Fenuron	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Indoxacarb	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Iprovalicarb	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Isoprocarb	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Isoproturon	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Linuron	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Metobromuron	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Monolinuron	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Pirimicarb	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Promecarb	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Propoxur	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Siduron	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Thiobencarb	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Avermectin (abamectin)	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Acequinocyl	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Bifenthrin	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Cyfluthrin	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Etoxazole	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Imazalil	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Imidacloprid	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Azoxystrobin	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Paclobutrazol	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Spinetoram (J&L)	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Spinosad D	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Spiromesifen	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Spirotetramat	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Tebufenpyrad	<1.2	1.2	ug/g	LC-MS/MS	8/10/20 2:26 pm	
Pyrethrin I	<2.4	2.4	ug/g	LC-MS/MS	8/10/20 2:26 pm	R-07
Pyrethrin II	<2.4	2.4	ug/g	LC-MS/MS	8/10/20 2:26 pm	R-07

Sample Narrative:

2003001-01

CBG Vape Cart

607 mg CBG per 1000 mg cartridge

Certificate of Analysis

Notes and Definitions

CFU/g	Colony Forming Units per Gram
HPLC	High-Performance Liquid Chromatography
MS	Mass Spectrometry
<	Less than value listed
RL	Reporting Limit
NA	Not Applicable
E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
M1	Matrix spike recovery was high, the associated blank spike recovery was acceptable.
R-07	The RL for this analyte has been raised to account for the Reporting Limit Verification.
R7	LFB/LFBD (LCS/LCSD) RPD exceeded laboratory acceptance limit. Recoveries met acceptance criteria.
T-8	Laboratory not accredited for this analysis.