



Customer: GTH LLC
Customer Sample ID: Del 8 25201
Laboratory Number: 20G0132-567



Cannabinoid Profile

Extraction Technician: DF
Analytical Chemist: SH

Extraction Date(s)	Analysis Date(s)
8/25/2020	8/25/2020

Cannabinoids (HPLC)		Results	
	LOD (mg/g)	%	mg/g
Cannabidivarin (CBDV)	<0.20		
Cannabidiolic Acid (CBD-A)	<0.20		
Cannabigerolic Acid (CBG-A)	<0.20		
Cannabigerol (CBG)	<0.20		
Cannabidiol (CBD)		0.03	0.340
Tetrahydrocannabivarin (THCV)	<0.20		
Cannabinol (CBN)	<0.20		
delta 9-Tetrahydrocannabinol (THC)	<0.20		
delta 8-Tetrahydrocannabinol		93.14	931
Cannabichromene (CBC)	<0.20		
delta-9-Tetrahydrocannabinolic Acid (THC-A)	<0.20		
Cannabinoids Total		%	mg/g
Max Active THC		0.00	0.00
Max Active CBD		0.03	0.34
T.Active Cannabinoids		0.03	0.34
Total Cannabinoids		93.20	932.00

Following USDA guidelines on uncertainty, Altitude Consulting's uncertainty are calculated for CBDa and CBD at +/- 4%.
 The uncertainty for THCa and THC are +/- 5%. This implies the range for a 10% value of CBD to be 9.6-10.4%. The
 uncertainty range for a 0.30% value of THC would be 0.28-0.32%.

Cannabinoid (mg/g)



■ Cannabichromene (CBC)	■ Cannabidiol (CBD)	■ Cannabidiolic Acid (CBD-A)	■ Cannabidivarin (CBDV)	■ Cannabigerol (CBG)
■ Cannabigerolic Acid (CBG-A)	■ Cannabinol (CBN)	■ delta 8-Tetrahydrocannabinol	■ delta 9-Tetrahydrocannabinol (THC)	■ delta-9-Tetrahydrocannabinolic Acid (THC-A)
■ Tetrahydrocannabivarin (THCV)				

Reporting Limits will vary based on sample extraction weight used for the analysis.
 Altitude Consulting, LLC utilizes NIST traceable Reference Standards and Certified Reference Material to calibrate analytical instruments along with proven analytical methods.
 The methods are applied in the most ethical manner following good laboratory practice guidelines. The results of this report are based solely on the sample submitted and cannot be reproduced.



D8 DISTILATE


Batch ID:	070320IT	Test ID:	T000085429
Reported:	25-AUG-2020	Method:	TM19
Type:	Concentrate		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.066 - 6.57	ND
Cadmium	0.067 - 6.65	ND
Mercury	0.063 - 6.26	ND
Lead	0.066 - 6.61	ND

* ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL


 Ryan Weems
 25-AUG-2020
 10:34 AM
 PREPARED BY / DATE


 Ben Minton
 25-AUG-2020
 3:26 PM
 APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



prepared for: GTH, LLC

11607 Nebel Street
Rockville, MD 20852

D8 distillate

Batch ID:	070320IT	Test ID:	T000085426
Reported:	14-aug-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	73 - 1450	*ND
Butanes (Isobutane, n-Butane)	140 - 2806	*ND
Methanol	50 - 1006	*ND
Pentane	79 - 1574	*ND
Ethanol	80 - 1597	*ND
Acetone	83 - 1654	*ND
Isopropyl Alcohol	87 - 1733	*ND
Hexane	5 - 101	*ND
Ethyl Acetate	84 - 1676	*ND
Benzene	0.2 - 3.3	*ND
Heptanes	80 - 1607	*ND
Toluene	15 - 295	*ND
Xylenes (m,p,o-Xylenes)	105 - 2099	*ND


* ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
N/A

FINAL APPROVAL


 Daniel Weidensaul
 14-aug-2020
 4:50 PM

PREPARED BY / DATE


 Ben Minton
 14-aug-2020
 6:26 PM

APPROVED BY / DATE

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Certificate #4329.02

D8 DISTILATE

Batch ID:	070320IT	Test ID:	T000085427
Reported:	25-AUG-2020	Method:	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
<i>E. coli</i>	None Detected
<i>Salmonella</i>	None Detected

* CFU/g = Colony Forming Unit per Gram

** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU

NOTES:



Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

FINAL APPROVAL


Robert Belfon
25-AUG-2020
10:14 AM
Greg Zimpfer
25-AUG-2020
2:40 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03



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