

Density: <u>0.9484</u>



Cannabinoid Profile

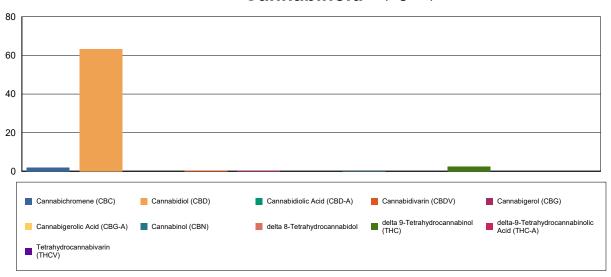
Extraction Technician: DF Analytical Chemist: CB

Extraction	Analysis
Date(s)	Date(s)
11/11/2020	11/11/2020

Cannabinoids (HPLC)		Results	
	LOD (mg/mL)	%	mg/mL
Cannabidivarin (CBDV)		0.04	0.380
Cannabidiolic Acid (CBD-A)	<0.20		
Cannabigerolic Acid (CBG-A)	<0.20		
Cannabigerol (CBG)		0.04	0.366
Cannabidiol (CBD)		6.33	63.3
Tetrahydrocannabivarin (THCV)	<0.20		
Cannabinol (CBN)		0.02	0.235
delta 9-Tetrahydrocannabinol (THC)		0.26	2.62
delta 8-Tetrahydrocannabidol	<0.20		
Cannabichromene (CBC)		0.20	1.98
delta-9-Tetrahydrocannabinolic Acid (THC-A)	<0.20		
Cannabinoids Total		%	mg/mL
Max Active THC		0.26	2.62
Max Active CBD		6.33	63.30
T.Active Cannabinoids		6.85	68.50
Total Cannabinoids		6.88	68.80

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%. The measurement uncertainty is calculated using a coverage factor of 2.

Cannabinoid (mg/mL)



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.





Residual Solvents Profile

 Extraction Technician: DF
 Extraction Date(s)
 Analysis Date(s)

 Analytical Chemist: CB
 11/18/2020
 11/18/2020

Residual Solvents	Results	Calibration Range
	ug/g	
Propane	<90.6	100 - 2000
Isobutane	<90.6	100 - 2000
Methanol	<90.6	100 - 2000
Butane	<90.6	100 - 2000
Isopropanol	<90.6	100 - 2000
Ethanol	<90.6	100 - 2000
2-Methyl Butane	<90.6	100 - 2000
Acetonitrile	<90.6	100 - 2000
Acetone	<90.6	100 - 2000
n-Pentane	<90.6	100 - 2000
n-Hexane	<45.3	50 - 2000
Tetrahydrofuran	<90.6	100 - 2000
Benzene	<0.906	1.0 - 50
n-Heptane	<90.6	100 - 2000
Toluene	<90.6	100 - 2000
Ethylbenzene	<90.6	100 - 2000
m+p Xylene	<90.6	100 - 2000
o-Xylene	<90.6	100 - 2000





Metals Profile

Extraction Technician: MF	Extraction Date(s)	Analysis Date(s)
Analytical Chemist: MF	11/18/2020	11/25/2020

Metals (ICP/MS)	Method Code	Results	Units
Arsenic	ICPMS.1	<20.0	ppb
Cadmium	ICPMS.1	<10.0	ppb
Lead	ICPMS.1	<5.00	ppb
Mercury	ICPMS.1	<5.00	ppb

Limits for metals vary greatly depending on usage of the sample. Altitude Consulting recommends researching federal and state regulatory limits.

Microbial Profile

Extraction Technician: MF	Extraction Date(s)	Analysis Date(s)
Analytical Chemist: MF	11/18/2020	11/25/2020

Microbials	Method Code	Results	Units
Salmonella spp.	Salm.1a	Negative	/g
Shiga toxin producing E Coli	STEC.1.a	Negative	/g
Listeria Monocytogenes	Lmono.2	Negative	/g
Aerobic Plate Count	APC.1a	<10.0	cfu/g
Total Coliform Bacteria	TCEC.1a	<10.0	cfu/g
Escherichia coli	TCEC.1a	<10.0	cfu/g
Staphylococcus Aureus	STA.1a	<10.0	cfu/g
Yeast and Mold	Y&M.1.a	<10.0	cfu/g

Limits for microbials vary greatly depending on usage of the sample. Altitude Consulting recommends researching federal and state regulatory limits.





Pesticide Profile

 Extraction Technician: DF
 Extraction Date(s)
 Analysis Date(s)

 Analytical Chemist: DVT
 11/18/2020
 12/8/2020

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Pesticides	Results	Pos/Neg	LOD(ug/g)
	ug/g		
Abamectin	ND	NEG	0.0784
Acephate	ND	NEG	0.0784
Acequinocyl	ND	NEG	0.0784
Acetamiprid	ND	NEG	0.0392
Aldicarb	ND	NEG	0.157
Azoxystrobin	ND	NEG	0.0392
Bifenazate	ND	NEG	0.0392
Bifenthrin	ND	NEG	0.0392
Boscalid	ND	NEG	0.0784
Carbaryl	ND	NEG	0.00784
Carbofuran	ND	NEG	0.00784
Chlorantraniliprole	ND	NEG	0.00784
Chlorfenapyr	ND	NEG	0.0784
Chlorpyrifos	ND	NEG	0.0392
Clofentezine	ND	NEG	0.0784
Cyfluthrin	ND	NEG	0.392
Cypermethrin	ND	NEG	0.392
Daminozide	ND	NEG	0.392
DDVP (Dichlorvos)	ND	NEG	0.0784
Diazinon	ND	NEG	0.00784
Dimethoate	ND	NEG	0.00784
Ethoprophos	ND	NEG	0.00784
Etofenprox	ND	NEG	0.0157
Etoxazole	ND	NEG	0.00784
Fenoxycarb	ND	NEG	0.0392
Fenpyroximate	ND	NEG	0.157
Fipronil	ND	NEG	0.0392
Flonicamid	ND	NEG	0.196
Fludioxonil	ND	NEG	0.0784
Hexythiazox	ND	NEG	0.0392
lmazalil	ND	NEG	0.0392

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Pesticide Profile

 Extraction Technician: DF
 Extraction Date(s)
 Analysis Date(s)

 Analytical Chemist: DVT
 11/18/2020
 12/8/2020

Pesticides	Results	Pos/Neg	LOD(ug/g)
	ug/g		
Imidacloprid	ND	NEG	0.0784
Kresoxim-methyl	ND	NEG	0.0784
Malathion	ND	NEG	0.00784
Metalaxyl	ND	NEG	0.00784
Methiocarb	ND	NEG	0.00784
Methomyl	ND	NEG	0.0157
Methyl parathion	ND	NEG	0.392
MGK-264	ND	NEG	0.0784
Myclobutanil	ND	NEG	0.00784
Naled	ND	NEG	0.0196
Oxamyl	ND	NEG	0.0392
Paclobutrazol	ND	NEG	0.00784
Permethrins	ND	NEG	0.0784
Phosmet	ND	NEG	0.392
Piperonyl Butoxide	ND	NEG	0.0784
Prallethrin	ND	NEG	0.00784
Propiconazole	ND	NEG	0.0157
Propoxure	ND	NEG	0.00784
Pyrethrins	ND	NEG	0.784
Pyridaben	ND	NEG	0.00784
Spinosad	ND	NEG	0.627
Spiromesifen	ND	NEG	0.00784
Spirotetramat	ND	NEG	0.0392
Spiroxamine	ND	NEG	0.0157
Tebuconazole	ND	NEG	0.0392
Thiacloprid	ND	NEG	0.00784
Thiamethoxam	ND	NEG	0.0392
Trifloxystrobin	ND	NEG	0.0392