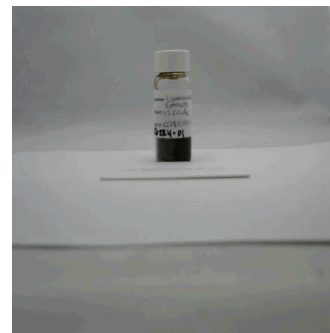




**Customer:** Commonwealth Extracts  
**Customer Sample ID:** KC08011901-05  
**Laboratory Number:** 19I0224-01



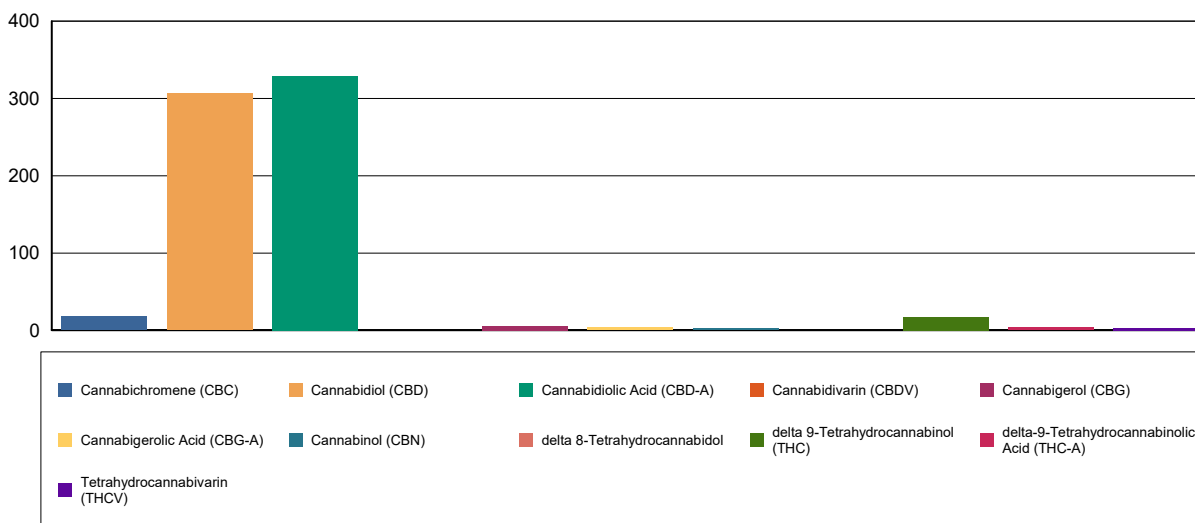
# Cannabinoid Profile

**Extraction Technician:** MTO  
**Analytical Chemist:** GB

Extraction Date(s)	Analysis Date(s)
9/16/2019	9/17/2019

Cannabinoids (HPLC)		Results	
	LOD (mg/g)	%	mg/g
Cannabidivarin (CBDV)	<0.20		
Cannabidiolic Acid (CBD-A)		32.9	329
Cannabigerolic Acid (CBG-A)		0.34	3.44
Cannabigerol (CBG)		0.56	5.55
Cannabidiol (CBD)		30.7	307
Tetrahydrocannabivarin (THCV)		0.32	3.20
Cannabinol (CBN)		0.25	2.46
delta 9-Tetrahydrocannabinol (THC)		1.73	17.3
delta 8-Tetrahydrocannabinol	<0.20		
Cannabichromene (CBC)		1.78	17.8
delta-9-Tetrahydrocannabinolic Acid (THC-A)		0.40	3.98
<b>Cannabinoids Total</b>		<b>%</b>	<b>mg/g</b>
Max Active THC		2.08	20.79
Max Active CBD		59.50	595.00
T.Active Cannabinoids		35	350
Total Cannabinoids		68.9	689
<b>Ratios</b>			
29.83:1 CBD to THC		0.03:1 THC to CBD	

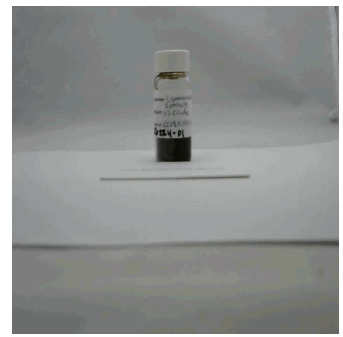
## Cannabinoid (mg/g)



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.



Customer: Commonwealth Extracts  
 Customer Sample ID: KC08011901-05  
 Laboratory Number: 19I0224-01

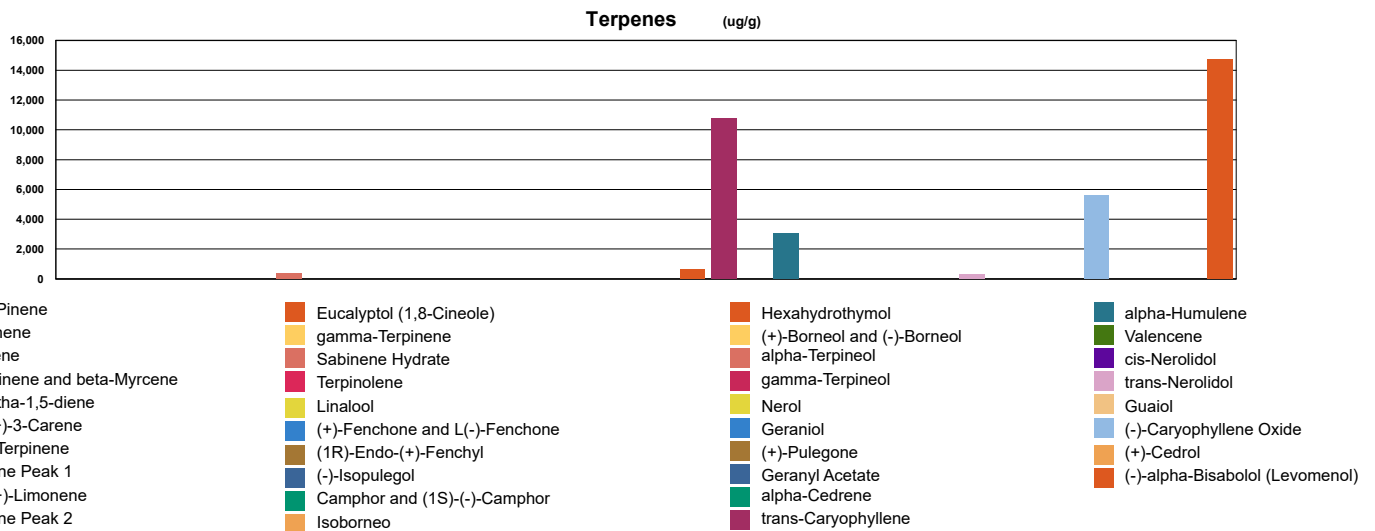


# Terpene Profile

Extraction Technician: MTO  
 Analytical Chemist: MTO

Extraction Date(s)	Analysis Date(s)
9/16/2019	9/17/2019

Terpene	Results	Terpene	Results
	ug/g		ug/g
alpha-Pinene		Isoborneol	
Camphene		Hexahydrothymol	
Sabinene		(+)-Borneol and (-)-Borneol	
beta-Pinene and beta-Myrcene		alpha-Terpineol	356
p-Mentha-1,5-diene		gamma-Terpineol	
(1S)-(+)-3-Carene		Nerol	
alpha-Terpinene		Geraniol	
Ocimene Peak 1		(+)-Pulegone	
(R) - (+)-Limonene		Geranyl Acetate	
Ocimene Peak 2		alpha-Cedrene	
Eucalyptol (1,8-Cineole)	608	trans-Caryophyllene	10800
gamma-Terpinene		alpha-Humulene	3020
Sabinene Hydrate		Valencene	
Terpinolene		cis-Nerolidol	
Linalool		trans-Nerolidol	301
(+)-Fenchone and L(-)-Fenchone		Guaiol	
(1R)-Endo-(+)-Fenchyl		(-)-Caryophyllene Oxide	5610
(-)-Isopulegol		(+)-Cedrol	
Camphor and (1S)-(-)-Camphor		(-)-alpha-Bisabolol (Levomenol)	14700

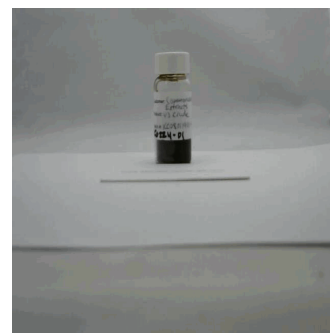


Reporting limit is roughly 40 ug/g depending on amount extracted.

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**Customer:** Commonwealth Extracts  
**Customer Sample ID:** KC08011901-05  
**Laboratory Number:** 19I0224-01



## Residual Solvents Profile

Extraction Technician: MTO  
 Analytical Chemist: MTO

Extraction Date(s)	Analysis Date(s)
9/16/2019	9/16/2019

Residual Solvents	Results	Calibration Range
	ug/g	
Propane	<95.6	100 - 2000
Isobutane	<95.6	100 - 2000
Methanol	<95.6	100 - 2000
Butane	<95.6	100 - 2000
Isopropanol	<95.6	100 - 2000
Ethanol	>2000	100 - 2000
2-Methyl Butane	<95.6	100 - 2000
Acetonitrile	<95.6	100 - 2000
Acetone	<95.6	100 - 2000
n-Pentane	<95.6	100 - 2000
n-Hexane	<47.8	50 - 2000
Tetrahydrofuran	<95.6	100 - 2000
Benzene	<0.956	1.0 - 50
n-Heptane	1070	100 - 2000
Toluene	<95.6	100 - 2000
Ethylbenzene	<95.6	100 - 2000
m+p Xylene	<95.6	100 - 2000
o-Xylene	<95.6	100 - 2000
Total Xylenes	<95.6	100 - 2000
1,2,3-Trimethylbenzene	<95.6	100 - 2000

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