



**Customer:** American Hemp Oil  
**Customer Sample ID:** 1000mg B-ITU-0040  
**Laboratory Number:** 20D0178-04  
**Servings per Container:** 30  
**Density:** 0.958



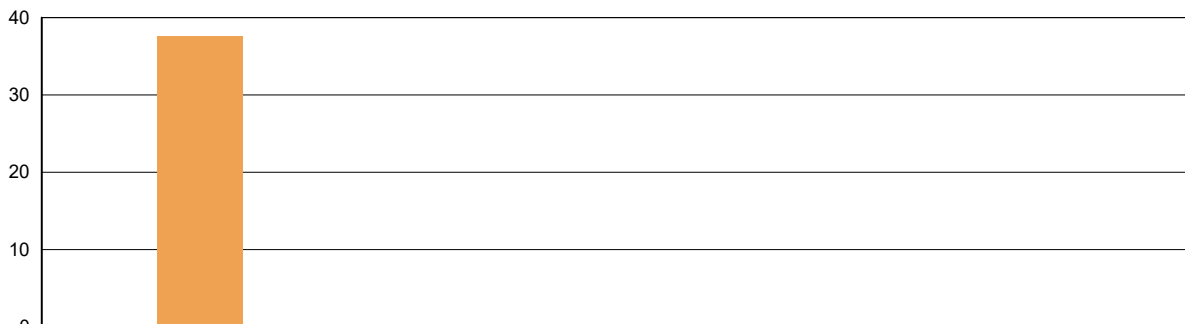
## Cannabinoid Profile

**Extraction Technician:** DF  
**Analytical Chemist:** CB

Extraction Date(s)	Analysis Date(s)
4/21/2020	4/21/2020

Cannabinoids (HPLC)		Results		
	LOD (mg/mL)	%	mg/mL	mg/bottle
Cannabidivarin (CBDV)	<0.090			
Cannabidiolic Acid (CBD-A)	<0.090			
Cannabigerolic Acid (CBG-A)	<0.090			
Cannabigerol (CBG)	<0.090			
Cannabidiol (CBD)		3.71	37.1	1113
Tetrahydrocannabivarin (THCV)	<0.090			
Cannabinol (CBN)	<0.090			
delta 9-Tetrahydrocannabinol (THC)	<0.090			
delta 8-Tetrahydrocannabidol	<0.090			
Cannabichromene (CBC)	<0.090			
delta-9-Tetrahydrocannabinolic Acid (THC-A)	<0.090			
Cannabinoids Total		%	mg/mL	
Max Active THC		0.00	0.00	
Max Active CBD		3.71	37.10	
T.Active Cannabinoids		3.71	37.10	
Total Cannabinoids		3.71	37.10	
Ratios				
NA:1 CBD to THC		0.00:1 THC to CBD		

### Cannabinoid (mg/mL)



<span style="color: blue;">■</span> Cannabichromene (CBC)	<span style="color: orange;">■</span> Cannabidiol (CBD)	<span style="color: teal;">■</span> Cannabidiolic Acid (CBD-A)	<span style="color: red;">■</span> Cannabidivarin (CBDV)	<span style="color: purple;">■</span> Cannabigerol (CBG)
<span style="color: yellow;">■</span> Cannabigerolic Acid (CBG-A)	<span style="color: darkblue;">■</span> Cannabinol (CBN)	<span style="color: brown;">■</span> delta 8-Tetrahydrocannabidol	<span style="color: green;">■</span> delta 9-Tetrahydrocannabinol (THC)	<span style="color: pink;">■</span> delta-9-Tetrahydrocannabinolic Acid (THC-A)
<span style="color: purple;">■</span> Tetrahydrocannabivarin (THCV)				

Reporting Limits will vary based on sample extraction weight used for the analysis.

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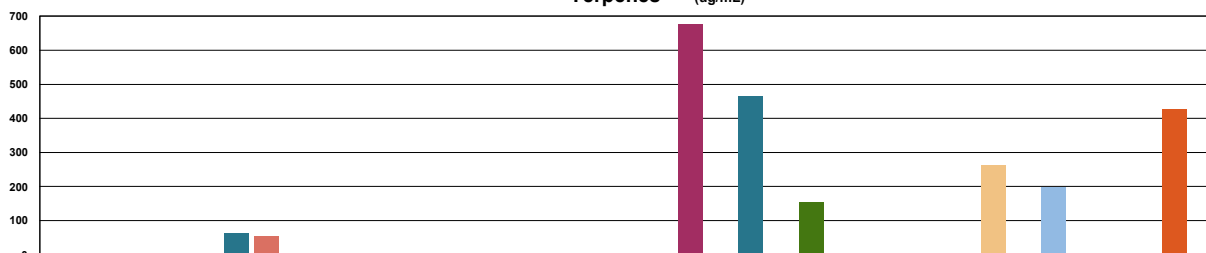
# Terpene Profile

**Extraction Technician:** DF  
**Analytical Chemist:** CB

Extraction Date(s)	Analysis Date(s)
4/21/2020	4/21/2020

Terpene	Results	Terpene	Results
	ug/mL		ug/mL
alpha-Pinene		Isoborneol	
Camphene		Hexahydrothymol	
Sabinene		(+)-Borneol and (-)-Borneol	
beta-Myrcene	62.2	alpha-Terpineol	55.5
beta-Pinene		gamma-Terpineol	
p-Mentha-1,5-diene		Nerol	
(1S)-(+)-3-Carene		Geraniol	
alpha-Terpinene		(+)-Pulegone	
Ocimene Peak 1		Geranyl Acetate	
(R) - (+)-Limonene		alpha-Cedrene	
Ocimene Peak 2		trans-Caryophyllene	675
Eucalyptol (1,8-Cineole)		alpha-Humulene	466
gamma-Terpinene		Valencene	153
Sabinene Hydrate		cis-Nerolidol	
Terpinolene		trans-Nerolidol	
Linalool		Guaiol	262
(+)-Fenchone and L(-)-Fenchone		(-)-Caryophyllene Oxide	198
(1R)-Endo-(+)-Fenchyl		(+)-Cedrol	
(-)-Isopulegol		(-)-alpha-Bisabolol (Levomenol)	426
Camphor and (1S)-(-)-Camphor			

**Terpenes (ug/mL)**



- |  |  |   |   |
|--|--|---|---|
| <span style="color: blue;">■</span> alpha-Pinene                   | <span style="color: blue;">■</span> (R) - (+)-Limonene             | <span style="color: green;">■</span> Camphor and (1S)-(-)-Camphor | <span style="color: green;">■</span> alpha-Cedrene                    |
| <span style="color: green;">■</span> Camphene                      | <span style="color: orange;">■</span> Ocimene Peak 2               | <span style="color: orange;">■</span> Isoborneol                  | <span style="color: purple;">■</span> trans-Caryophyllene             |
| <span style="color: purple;">■</span> Sabinene                     | <span style="color: orange;">■</span> Eucalyptol (1,8-Cineole)     | <span style="color: orange;">■</span> Hexahydrothymol             | <span style="color: blue;">■</span> alpha-Humulene                    |
| <span style="color: purple;">■</span> beta-Myrcene                 | <span style="color: orange;">■</span> gamma-Terpinene              | <span style="color: orange;">■</span> (+)-Borneol and (-)-Borneol | <span style="color: green;">■</span> Valencene                        |
| <span style="color: orange;">■</span> beta-Pinene                  | <span style="color: purple;">■</span> Sabinene Hydrate             | <span style="color: purple;">■</span> alpha-Terpineol             | <span style="color: purple;">■</span> cis-Nerolidol                   |
| <span style="color: purple;">■</span> beta-Pinene and beta-Myrcene | <span style="color: purple;">■</span> Terpinolene                  | <span style="color: purple;">■</span> gamma-Terpineol             | <span style="color: purple;">■</span> trans-Nerolidol                 |
| <span style="color: purple;">■</span> p-Mentha-1,5-diene           | <span style="color: yellow;">■</span> Linalool                     | <span style="color: yellow;">■</span> Nerol                       | <span style="color: purple;">■</span> Guaiol                          |
| <span style="color: purple;">■</span> (1S)-(+)-3-Carene            | <span style="color: blue;">■</span> (+)-Fenchone and L(-)-Fenchone | <span style="color: blue;">■</span> Geraniol                      | <span style="color: blue;">■</span> (-)-Caryophyllene Oxide           |
| <span style="color: purple;">■</span> alpha-Terpinene              | <span style="color: brown;">■</span> (1R)-Endo-(+)-Fenchyl         | <span style="color: brown;">■</span> (+)-Pulegone                 | <span style="color: orange;">■</span> (+)-Cedrol                      |
| <span style="color: orange;">■</span> Ocimene Peak 1               | <span style="color: blue;">■</span> (-)-Isopulegol                 | <span style="color: blue;">■</span> Geranyl Acetate               | <span style="color: orange;">■</span> (-)-alpha-Bisabolol (Levomenol) |

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

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