

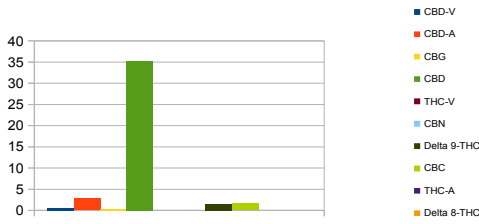
Sample Information			
Sample Identification	Grandma's Hemp Full Spectrum CBD Oil 900mg		
Laboratory Number	2018016101		
Batch Number	531601		
Matrix	Tincture		
Analyzed Date	11/13/18		
Extraction Date	11/13/18		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
Compound			
CBD-V	0.64	19.27	0.07%
CBD-A	2.83	85.02	0.29%
CBG	0.33	9.79	0.03%
CBD	35.16	1054.86	3.57%
THC-V	ND	ND	ND
CBN	ND	ND	ND
Delta 9-THC	1.45	43.55	0.15%
CBC	1.66	49.94	0.17%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	1.45	43.55	0.15%
Max Active CBD	37.66	1129.68	3.83%
T. Active Cannabinoids	39.25	1177.42	3.99%
Total Cannabinoids	42.08	1262.44	4.28%

Max Active Ratios

25.9 :1 CBD to THC

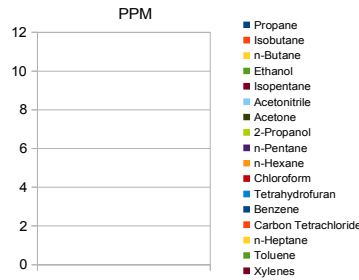
0.0 :1 THC to CBD

Cannabinoid %



RS (GCMS-MS)	PPM	RL
Compound		
Propane	NT	5.0
Isobutane	NT	5.0
n-Butane	NT	5.0
Ethanol	NT	5.0
Isopentane	NT	5.0
Acetonitrile	NT	5.0
Acetone	NT	50.0
2-Propanol	NT	5.0
n-Pentane	NT	5.0
n-Hexane	NT	5.0
Chloroform	NT	5.0
Tetrahydrofuran	NT	5.0
Benzene	NT	5.0
Carbon Tetrachloride	NT	5.0
n-Heptane	NT	5.0
Toluene	NT	5.0
Xylenes	NT	10.0

Residuals



mL/Bottle

30

mg THC/Bottle

43.55

mg CBD/Bottle

1054.86

(mg) total cannabinoids/bottle

1262.44

Metals	PPM	RL
Compound		
Lead	NT	0.010
Arsenic	NT	0.010
Cadmium	NT	0.010
Mercury	NT	0.001

RL=Reporting Limit

NA=Not Applicable

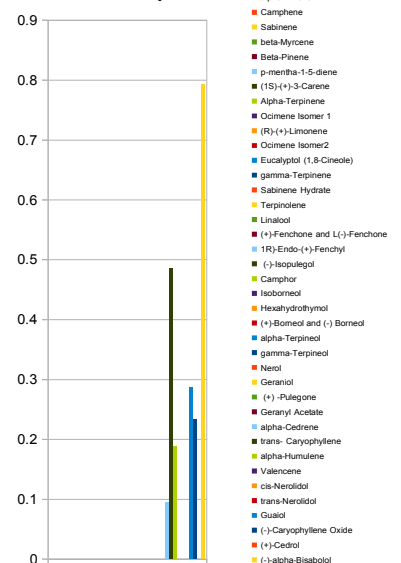
NT=Not Tested

ND=Non Detected




Terpene (GC-MS)	mg/mL	mg/Bottle
Compound		
alpha-Pinene	ND	ND
Camphene	ND	ND
Sabinene	ND	ND
beta-Myrcene	ND	ND
Beta-Pinene	ND	ND
p-mentha-1-5-diene	ND	ND
(1S)-(+)-3-Carene	ND	ND
Alpha-Terpinene	ND	ND
Ocimene Isomer 1	ND	ND
(R)-(+)-Limonene	ND	ND
Ocimene Isomer 2	ND	ND
Eucalyptol (1,8-Cineole)	ND	ND
gamma-Terpinene	ND	ND
Sabinene Hydrate	ND	ND
Terpinolene	ND	ND
Linalool	ND	ND
(+)-Fenchone and L(-)-Fenchone	ND	ND
1R)-Endo-(+)-Fenchyl	ND	ND
(-)-Isopulegol	ND	ND
Camphor	ND	ND
Isoborneol	ND	ND
Hexahydrothymol	ND	ND
(+)-Borneol and (-) Borneol	ND	ND
alpha-Terpineol	ND	ND
gamma-Terpineol	ND	ND
Nerol	ND	ND
Geraniol	ND	ND
(+) -Pulegone	ND	ND
Geranyl Acetate	ND	ND
alpha-Cedrene	0.09	2.82
trans-Caryophyllene	0.49	14.56
alpha-Humulene	0.19	5.63
Valencene	ND	ND
cis-Nerolidol	ND	ND
trans-Nerolidol	ND	ND
Guaiol	0.29	8.59
(-)-Caryophyllene Oxide	0.23	7.00
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	0.79	23.78
Total Terpenes	2.08	62.38

Terpenes %



Sample Image



Micro Visual: NOT TESTED

Percent Moisture: Not Tested

Chemist: EG  
Report Expires: 12/13/18