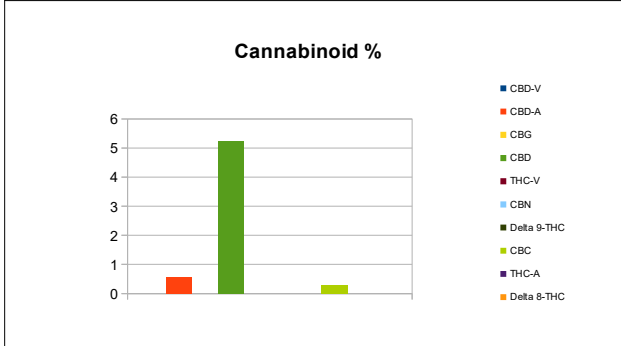
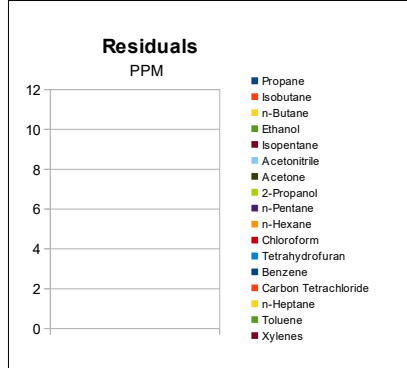


Sample Information			
Sample Identification	Grandma's Hemp Full Spectrum PET CBD Oil 150mg		
Laboratory Number	2018013701		
Batch Number	502303		
Matrix	Tincture		
Analyzed Date	10/08/18		
Extraction Date	10/08/18		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
Compound			
CBD-V	ND	ND	ND
CBD-A	0.57	17.04	0.05%
CBG	ND	ND	ND
CBD	5.23	156.88	0.50%
THC-V	ND	ND	ND
CBN	ND	ND	ND
Delta 9-THC	ND	ND	ND
CBC	0.29	8.67	0.03%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	ND	ND	ND
Max Active CBD	5.73	171.87	0.54%
T. Active Cannabinoids	5.52	165.55	0.52%
Total Cannabinoids	6.09	182.59	0.58%

Max Active Ratios			
NA :1 CBD to THC			
ND :1 THC to CBD			



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



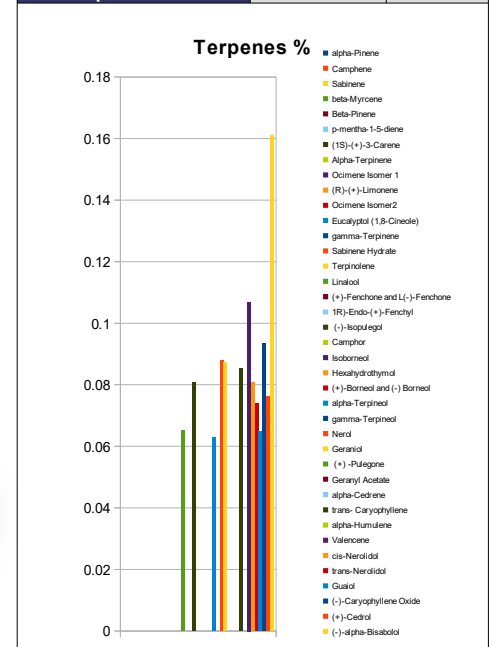
mL/Bottle	30
mg THC/Bottle	ND
mg CBD/Bottle	156.88
(mg) total cannabinoids/bottle	182.59

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 Isomer2	ND	ND
Eucalyptol (1,8-Cineole)	ND	ND
gamma-Terpinene	ND	ND
Sabinene Hydrate	ND	ND
Terpinolene	ND	ND
Linalool	0.07	1.95
(+)-Fenchone and L(-)-Fenchone	ND	ND
1R)-Endo-(+)-Fenchyl	ND	ND
(-)-Isopulegol	0.08	2.42
Camphor	ND	ND
Isoborneol	ND	ND
Hexahydrothymol	ND	ND
(+)-Borneol and (-) Borneol	ND	ND
alpha-Terpineol	0.06	1.88
gamma-Terpineol	ND	ND
Nerol	0.09	2.63
Geraniol	0.09	2.61
(+)-Pulegone	ND	ND
Geranyl Acetate	ND	ND
alpha-Cedrene	ND	ND
trans-Caryophyllene	0.09	2.56
alpha-Humulene	ND	ND
Valencene	0.11	3.21
cis-Nerolidol	0.08	2.42
trans-Nerolidol	0.07	2.21
Guaiol	0.06	1.94
(-)-Caryophyllene Oxide	0.09	2.81
(+)-Cedrol	0.08	2.28
(-)-alpha-Bisabolol	0.16	4.83
<b>Total Terpenes</b>	<b>1.13</b>	<b>33.76</b>



**Sample Image**



**Micro Visual:** Not Tested

**Percent Moisture:** NT

Chemist: TS  
 Report Expires: 11/08/18