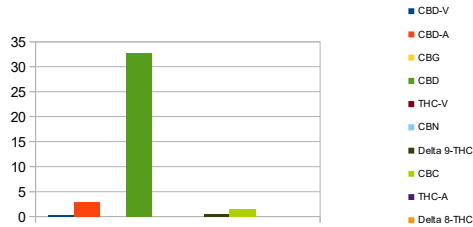


Sample Information			
Sample Identification	Grandma's Hemp Full Spectrum CBD Oil 900mg		
Laboratory Number	2018013252		
Batch Number	02091718		
Matrix	Tincture		
Analyzed Date	09/28/18		
Extraction Date	09/28/18		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
Compound			
CBD-V	0.25	7.49	0.03%
CBD-A	3.02	90.58	0.30%
CBG	ND	ND	ND
CBD	32.7	981.14	3.30%
THC-V	ND	ND	ND
CBN	ND	ND	ND
Delta 9-THC	0.62	18.66	0.06%
CBC	1.45	43.52	0.15%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	0.62	18.66	0.06%
Max Active CBD	35.36	1060.85	3.57%
T. Active Cannabinoids	35.03	1050.82	3.54%
Total Cannabinoids	38.05	1141.39	3.84%

Max Active Ratios

56.9 :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

18.66

mg CBD/Bottle

981.14

(mg) total cannabinoids/bottle

1141.39

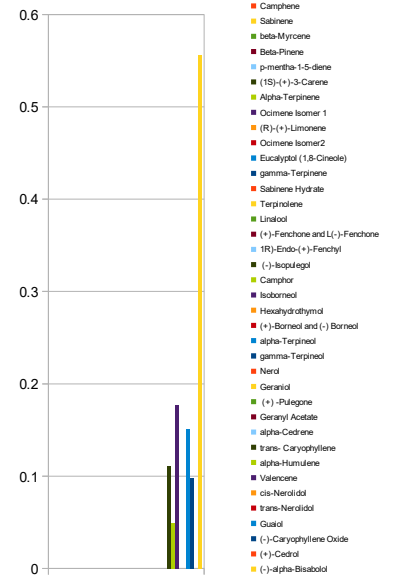
Metals	PPM	RL
Compound		
Lead	NT	0.010
Arsenic	NT	0.010
Cadmium	NT	0.010
Mercury	NT	0.001

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	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-Terpinol	ND	ND
gamma-Terpineol	ND	ND
Nerol	ND	ND
Geraniol	ND	ND
(+)-Pulegone	ND	ND
Geranyl Acetate	ND	ND
alpha-Cedrene	ND	ND
trans- Caryophyllene	0.11	3.32
alpha-Humulene	0.05	1.46
Valencene	0.18	5.32
cis-Nerolidol	ND	ND
trans-Nerolidol	ND	ND
Guaiol	0.15	4.54
(-)-Caryophyllene Oxide	0.1	2.94
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	0.56	16.69
Total Terpenes	1.14	34.27

Terpenes %



Sample Image



Micro Visual: Not Tested

Percent Moisture: NT

Chemist: TS
Report Expires: 10/28/18