

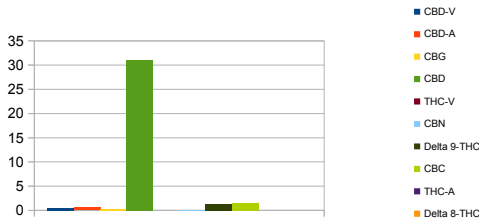
Sample Information			
Sample Identification	Grandma's Hemp Full Spectrum 900mg		
Laboratory Number	2019002679		
Batch Number	584702		
Matrix	Tincture		
Analyzed Date	02/05/19		
Extraction Date	02/05/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
CBD-V	0.57	17.07	0.06%
CBD-A	0.64	19.19	0.07%
CBG	0.25	7.55	0.03%
CBD	31.12	933.50	3.36%
THC-V	ND	ND	ND
CBN	0.07	2.04	0.01%
Delta 9-THC	1.37	41.06	0.15%
CBC	1.58	47.51	0.17%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	1.37	41.06	0.15%
Max Active CBD	31.68	950.38	3.42%
T. Active Cannabinoids	34.96	1048.73	3.78%
Total Cannabinoids	35.6	1067.92	3.85%

Max Active Ratios

23.1 :1 CBD to THC

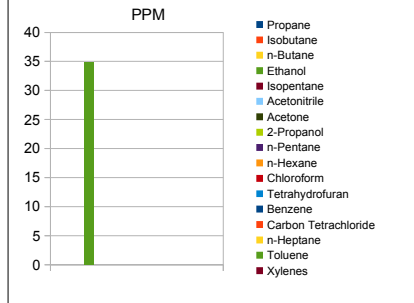
0.0 :1 THC to CBD

Cannabinoid %



RS (GCMS-HS)	PPM	RL
Compound		
Propane	ND	5.0
Isobutane	ND	5.0
n-Butane	ND	5.0
Ethanol	34.86	5.0
Isopentane	ND	5.0
Acetonitrile	ND	5.0
Acetone	ND	50.0
2-Propanol	ND	5.0
n-Pentane	ND	5.0
n-Hexane	ND	5.0
Chloroform	ND	5.0
Tetrahydrofuran	ND	5.0
Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0
n-Heptane	ND	5.0
Toluene	ND	5.0
Xylenes	ND	10.0

Residuals



mL/Bottle	30
mg THC/Bottle	41.06
mg CBD/Bottle	933.5
(mg) total cannabinoids/bottle	1067.92

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

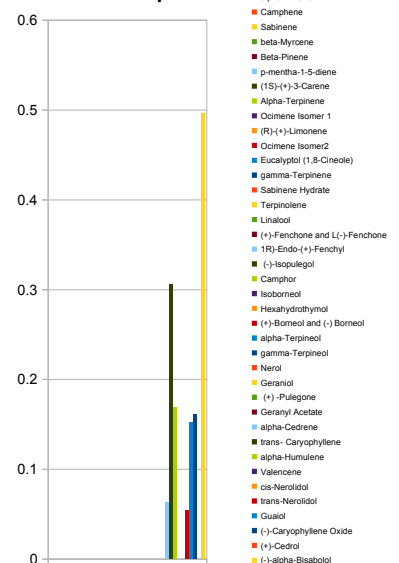
NT=Not Tested

ND=Non Detected

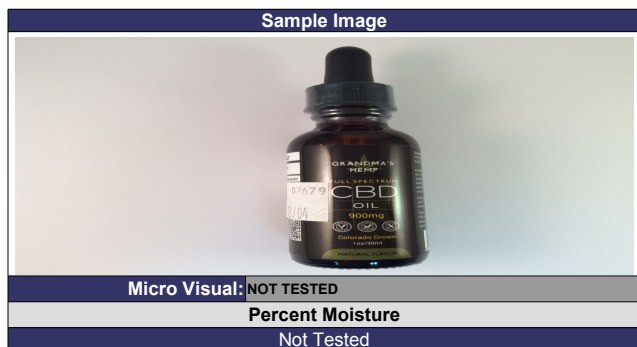


Terpene (GC-MS)	mg/mL	mg/Bottle
Compound		
alpha-Pinene	ND	ND
Camphene	ND	ND
Sabinene	ND	ND
beta-Myrcene	ND	ND
Beta-Pinene	ND	ND
p-mentha-1-5-diene	ND	ND
(1S)-(+)-3-Carene	ND	ND
Alpha-Terpinene	ND	ND
Ocimene Isomer 1	ND	ND
(R)-(+)-Limonene	ND	ND
Ocimene Isomer 2	ND	ND
Eucalyptol (1,8-Cineole)	ND	ND
gamma-Terpinene	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	0.06	1.89
trans-Caryophyllene	0.31	9.18
alpha-Humulene	0.17	5.07
Valencene	ND	ND
cis-Nerolidol	ND	ND
trans-Nerolidol	0.05	1.62
Guaiol	0.15	4.55
(-)-Caryophyllene Oxide	0.16	4.83
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	0.5	14.88
Total Terpenes	1.40	42.03

Terpenes %



Sample Image



Micro Visual: NOT TESTED

Percent Moisture: Not Tested

Chemist: EG
Report Expires: 03/05/19