

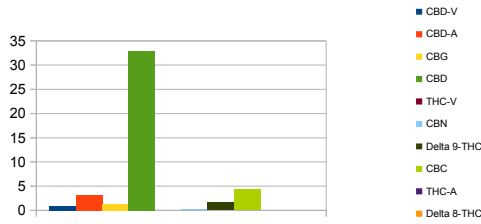
Sample Information			
Sample Identification	Grandma's Hemp Full Spectrum 900mg		
Laboratory Number	2019015387		
Batch Number	698501		
Matrix	Tincture		
Analyzed Date	07/23/19		
Extraction Date	07/23/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
CBD-V	0.92	27.60	0.09%
CBD-A	3.22	96.51	0.31%
CBG	1.33	39.78	0.13%
CBD	33	989.97	3.19%
THC-V	ND	ND	ND
CBN	0.19	5.78	0.02%
Delta 9-THC	1.63	48.88	0.16%
CBC	4.29	128.78	0.41%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	1.63	48.88	0.16%
Max Active CBD	35.83	1074.89	3.46%
T. Active Cannabinoids	41.36	1240.79	4.00%
Total Cannabinoids	44.58	1337.3	4.31%

Max Active Ratios

22.0 :1 CBD to THC

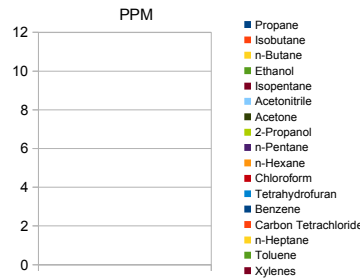
0.0 :1 THC to CBD

Cannabinoid mg/mL



RS (GCMS-HS)	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

48.88

mg CBD/Bottle

989.97

(mg) total cannabinoids/bottle

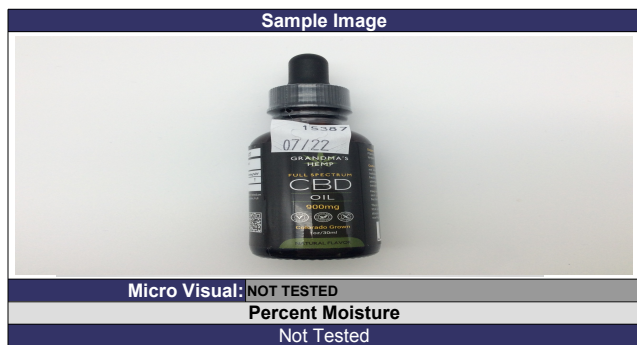
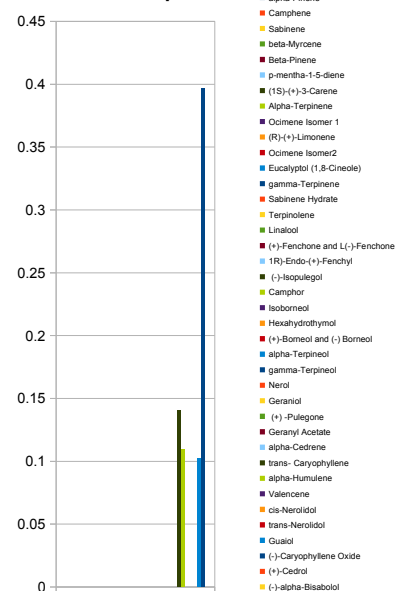
1337.3

Metals	PPM	RL
Compound		
Lead	NT	0.018
Arsenic	NT	0.007
Cadmium	NT	0.004
Mercury	NT	0.020

Microbial	CFU/g
Compound	
Enterobacteriaceae	NT
Coliform	NT
Ecoli	NT
Aerobic	NT
Yeast	NT
Mold	NT

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-Terpineol	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	0.14	4.22
alpha-Humulene	0.11	3.28
Valencene	ND	ND
cis-Nerolidol	ND	ND
trans-Nerolidol	ND	ND
Guaiaol	0.1	3.06
(-)-Caryophyllene Oxide	0.4	11.89
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	ND	ND
<b>Total Terpenes</b>	<b>0.75</b>	<b>22.46</b>

Terpenes %



Chemist: EG

Report Expires: 10/22/19

RL=Reporting Limit  
 NA=Not Applicable  
 NT=Not Tested  
 ND=Non Detected  
 TNTC=Too Numerous to Count

