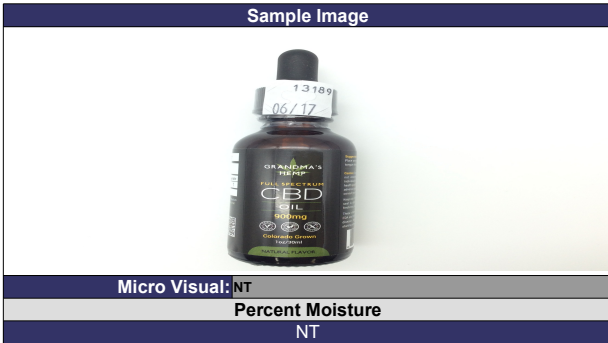
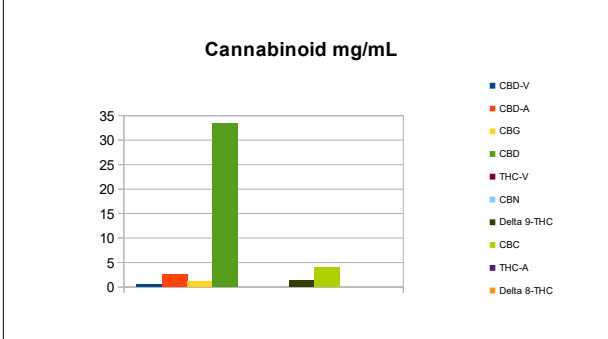
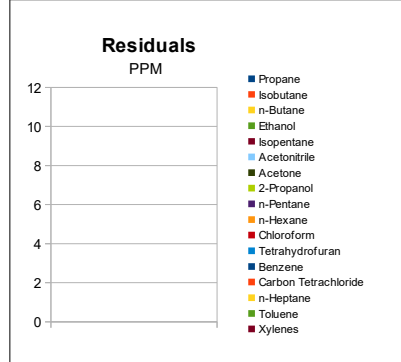


Sample Information			
Sample Identification	Grandma's Hemp Full Spectrum 900mg		
Laboratory Number	2019013189		
Batch Number	694302		
Matrix	Tincture		
Analyzed Date	06/17/19		
Extraction Date	06/17/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
Compound			
CBD-V	0.57	17.10	0.06%
CBD-A	2.60	77.86	0.26%
CBG	1.07	32.10	0.11%
CBD	33.33	999.99	3.29%
THC-V	ND	ND	ND
CBN	ND	ND	ND
Delta 9-THC	1.29	38.62	0.13%
CBC	4.09	122.75	0.40%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	1.29	38.62	0.13%
Max Active CBD	35.62	1068.51	3.51%
T. Active Cannabinoids	40.35	1210.57	3.98%
Total Cannabinoids	42.95	1288.43	4.24%

Max Active Ratios			
27.7 :1 CBD to THC			
0.0 :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



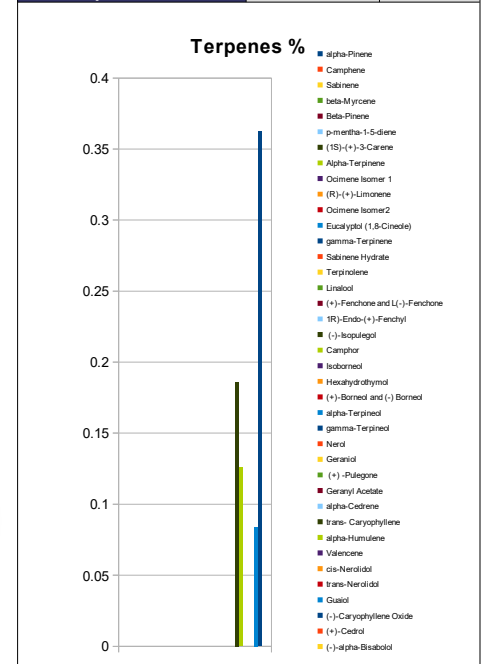
<b>mL/Bottle</b>	<b>30</b>
<b>mg THC/Bottle</b>	<b>38.62</b>
<b>mg CBD/Bottle</b>	<b>999.99</b>
<b>(mg) total cannabinoids/bottle</b>	<b>1288.43</b>

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	0.19	5.57
alpha-Humulene	0.13	3.78
Valencene	ND	ND
cis-Nerolidol	ND	ND
trans-Nerolidol	ND	ND
Guaiol	0.08	2.52
(-)-Caryophyllene Oxide	0.36	10.87
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	ND	ND
<b>Total Terpenes</b>	<b>0.76</b>	<b>22.74</b>



**Chemist: JG**  
**Report Expires: 09/15/19**

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