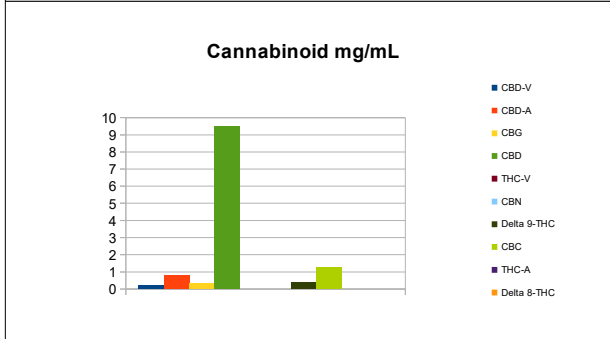
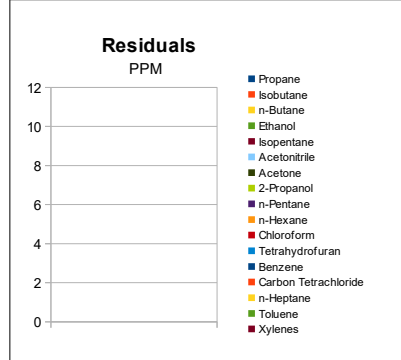


Sample Information			
Sample Identification	Grandma's Hemp Full Spectrum CBD Oil 300mg		
Laboratory Number	2019012621		
Batch Number	678501		
Matrix	Tincture		
Analyzed Date	06/06/19		
Extraction Date	06/06/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
Compound			
CBD-V	0.22	6.62	0.02%
CBD-A	0.78	23.37	0.08%
CBG	0.32	9.46	0.03%
CBD	9.47	284.13	0.98%
THC-V	ND	ND	ND
CBN	ND	ND	ND
Delta 9-THC	0.35	10.47	0.04%
CBC	1.28	38.38	0.13%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	0.35	10.47	0.04%
Max Active CBD	10.16	304.70	1.05%
T. Active Cannabinoids	11.63	349.05	1.20%
Total Cannabinoids	12.41	372.42	1.28%

Max Active Ratios			
29.1 :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

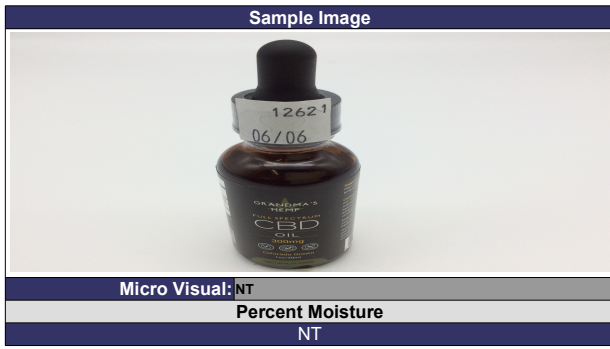
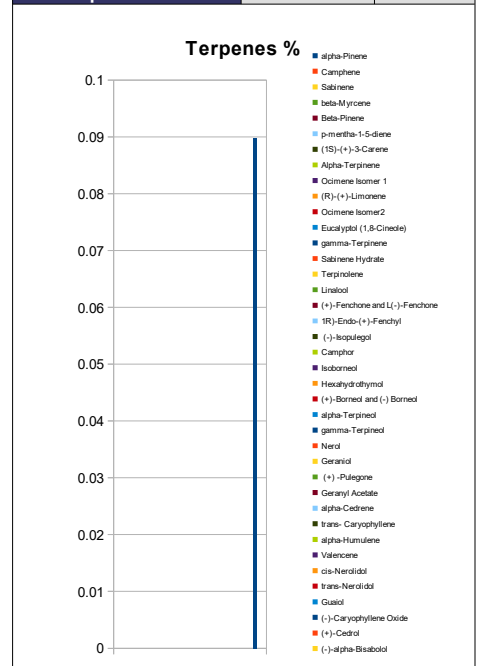


mL/Bottle	30
mg THC/Bottle	10.47
mg CBD/Bottle	284.13
(mg) total cannabinoids/bottle	372.42

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	ND	ND
alpha-Humulene	ND	ND
Valencene	ND	ND
cis-Nerolidol	ND	ND
trans-Nerolidol	ND	ND
Guaiol	ND	ND
(-)-Caryophyllene Oxide	0.09	2.69
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	ND	ND
<b>Total Terpenes</b>	<b>0.09</b>	<b>2.69</b>



**Chemist: JG**  
**Report Expires: 09/04/19**

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