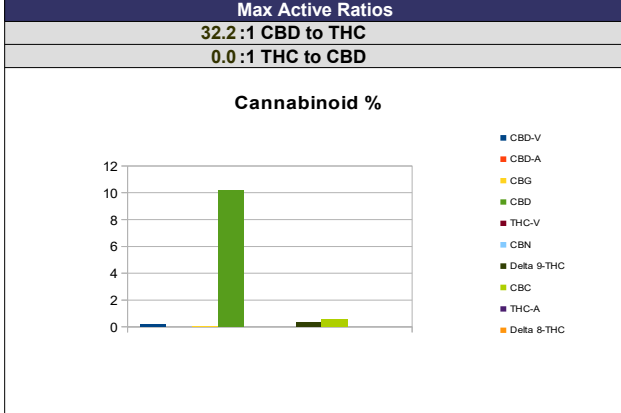
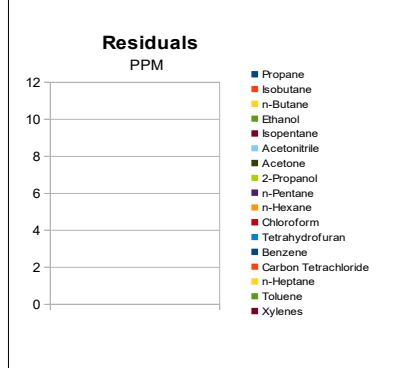


Sample Information			
Sample Identification	Grandma's Hemp Full Spectrum 300mg		
Laboratory Number	2019002449		
Batch Number	584701		
Matrix	Tincture		
Analyzed Date	01/31/19		
Extraction Date	01/31/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
Compound			
CBD-V	0.18	5.52	0.02%
CBD-A	ND	ND	ND
CBG	0.06	1.76	0.01%
CBD	10.21	306.27	1.06%
THC-V	ND	ND	ND
CBN	ND	ND	ND
Delta 9-THC	0.32	9.52	0.03%
CBC	0.54	16.11	0.06%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	0.32	9.52	0.03%
Max Active CBD	10.21	306.27	1.06%
T. Active Cannabinoids	11.31	339.18	1.17%
Total Cannabinoids	11.31	339.18	1.17%



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



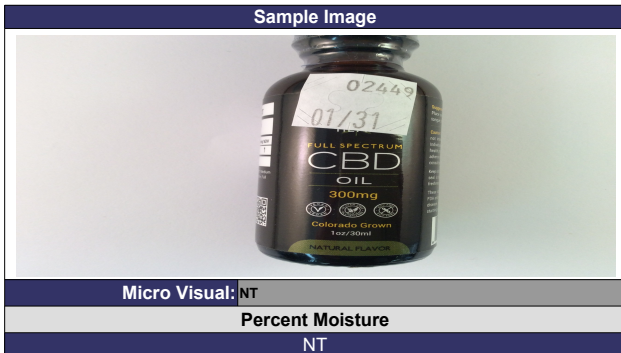
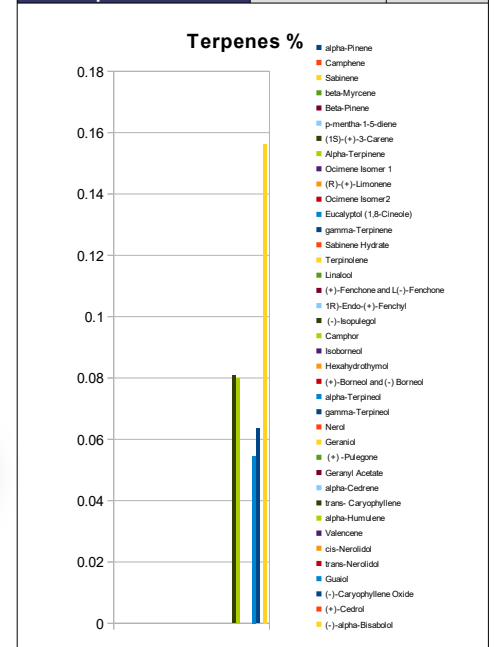
<b>mL/Bottle</b>	30
<b>mg THC/Bottle</b>	9.52
<b>mg CBD/Bottle</b>	306.27
<b>(mg) total cannabinoids/bottle</b>	339.18

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-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	0.08	2.42
alpha-Humulene	0.08	2.40
Valencene	ND	ND
cis-Nerolidol	ND	ND
trans-Nerolidol	ND	ND
Guaiol	0.05	1.64
(-)-Caryophyllene Oxide	0.06	1.91
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	0.16	4.69
<b>Total Terpenes</b>	<b>0.44</b>	<b>13.05</b>



Chemist: JG  
 Report Expires: 02/28/19