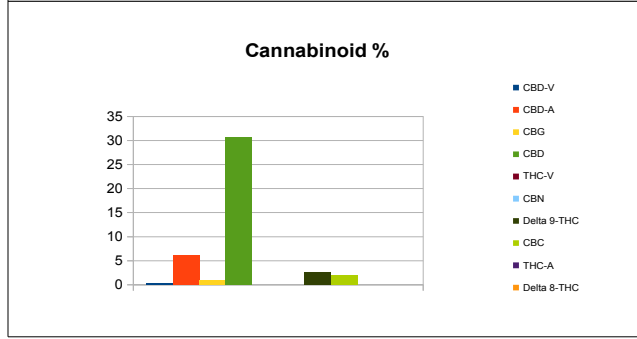



Sample Information			
Sample Identification	Grandma's Hemp Full Spectrum 900mg		
Laboratory Number	2019003768		
Batch Number	598902		
Matrix	Tincture		
Analyzed Date	02/16/19		
Extraction Date	02/16/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
Compound			
CBD-V	0.33	10.02	0.03%
CBD-A	6.04	181.24	0.61%
CBG	0.9	26.91	0.09%
CBD	30.71	921.34	3.11%
THC-V	ND	ND	ND
CBN	ND	ND	ND
Delta 9-THC	2.6	77.93	0.26%
CBC	1.88	56.38	0.19%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	2.6	77.93	0.26%
Max Active CBD	36.03	1080.84	3.65%
T. Active Cannabinoids	36.42	1092.6	3.69%
Total Cannabinoids	42.46	1273.84	4.30%

Max Active Ratios			
	13.9 : 1	CBD to THC	
	0.1 : 1	THC to CBD	



**Sample Image**

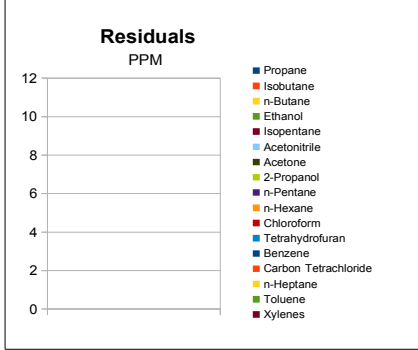


**Micro Visual:** NOT TESTED

**Percent Moisture:** NOT TESTED

**Chemist:** JW  
**Report Expires:** 03/16/19

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>	77.93
<b>mg CBD/Bottle</b>	921.34
<b>(mg) total cannabinoids/bottle</b>	1273.84

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	0.08	2.53
trans-Caryophyllene	0.4	12.14
alpha-Humulene	0.3	9.08
Valencene	0.08	2.31
cis-Nerolidol	ND	ND
trans-Nerolidol	0.09	2.60
Guaiol	0.16	4.66
(-)-Caryophyllene Oxide	0.13	4.02
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	0.55	16.57
<b>Total Terpenes</b>	<b>1.80</b>	<b>53.91</b>

