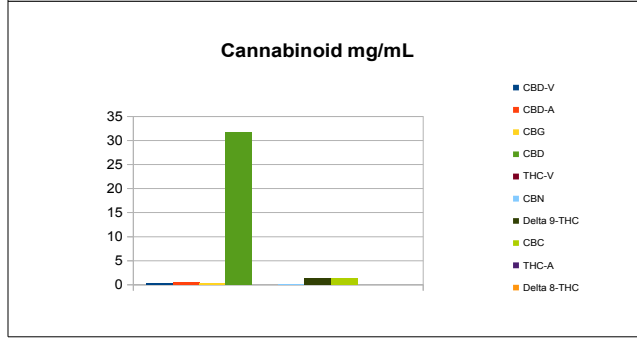



Sample Information			
Sample Identification	Grandma's Hemp full Spectrum 900mg		
Laboratory Number	2019017458		
Batch Number	746602		
Matrix	Tincture		
Analyzed Date	08/20/19		
Extraction Date	08/20/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
Compound			
CBD-V	0.34	10.28	0.04%
CBD-A	0.51	15.29	0.05%
CBG	0.25	7.64	0.03%
CBD	31.66	949.93	3.33%
THC-V	ND	ND	ND
CBN	0.11	3.19	0.01%
Delta 9-THC	1.35	40.36	0.14%
CBC	1.34	40.23	0.14%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	1.35	40.36	0.14%
Max Active CBD	32.11	963.38	3.37%
T. Active Cannabinoids	35.05	1051.63	3.68%
Total Cannabinoids	35.56	1066.91	3.74%

Max Active Ratios			
	23.9 :1 CBD to THC		
	0.0 :1 THC to CBD		



Sample Image

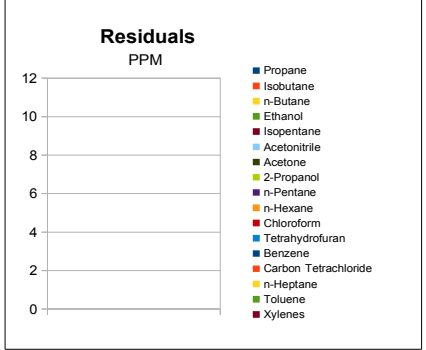


Micro Visual: NOT TESTED
Percent Moisture: NOT TESTED

Chemist: JW
Report Expires: 11/19/19

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

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	40.36
mg CBD/Bottle	949.93
(mg) total cannabinoids/bottle	1066.91

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	0.12	3.71
alpha-Humulene	0.1	2.99
Valencene	ND	ND
cis-Nerolidol	ND	ND
trans-Nerolidol	ND	ND
Guaiol	0.24	7.23
(-)-Caryophyllene Oxide	ND	ND
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	0.47	14.22
Total Terpenes	0.94	28.15

