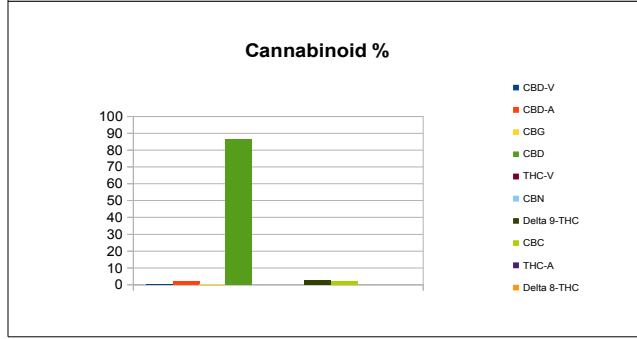


Sample Information			
Sample Identification	Grandma's Hemp Full Spectrum 2500mg		
Laboratory Number	2019003767		
Batch Number	597903		
Matrix	Tincture		
Analyzed Date	02/16/19		
Extraction Date	02/16/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
Compound			
CBD-V	0.45	13.38	0.05%
CBD-A	2.09	62.61	0.22%
CBG	0.45	13.58	0.05%
CBD	86.41	2592.42	9.20%
THC-V	ND	ND	ND
CBN	ND	ND	ND
Delta 9-THC	2.47	74.18	0.26%
CBC	2	60.00	0.21%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	2.47	74.18	0.26%
Max Active CBD	88.25	2647.52	9.40%
T. Active Cannabinoids	91.79	2753.56	9.78%
Total Cannabinoids	93.87	2816.17	10.00%

Max Active Ratios			
	35.7 :1 CBD to THC		
	0.0 :1 THC to CBD		



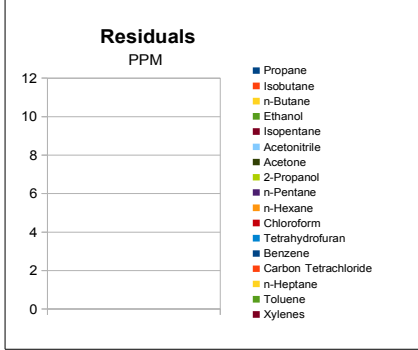
Sample Image



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



mL/Bottle	30
mg THC/Bottle	74.18
mg CBD/Bottle	2592.42
(mg) total cannabinoids/bottle	2816.17

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	0.11	3.41
alpha-Humulene	0.12	3.48
Valencene	ND	ND
cis-Nerolidol	ND	ND
trans-Nerolidol	ND	ND
Guaiol	0.22	6.69
(-)-Caryophyllene Oxide	0.14	4.18
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	0.32	9.50
Total Terpenes	0.91	27.26

