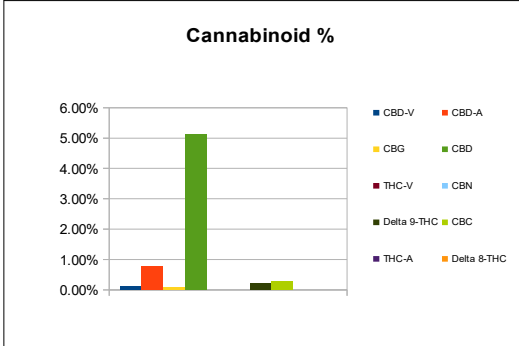
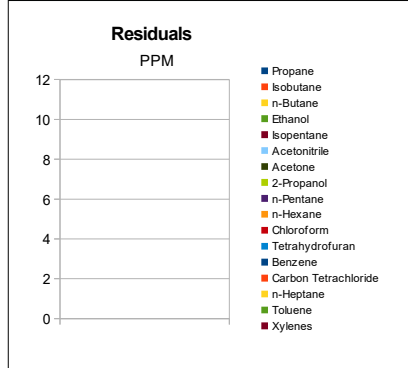


Sample Information		
Sample Identification	Grandma's Hemp Full Spectrum CBD Softgels	
Laboratory Number	2018018589	
Batch Number	101718	
Matrix	Tincture	
Analyzed Date	12/19/18	
Extraction Date	12/19/18	
Cannabinoid (HPLC)	%	mg/g
Compound		
CBD-V	0.10%	0.98
CBD-A	0.77%	7.72
CBG	0.07%	0.67
CBD	5.11%	51.12
THC-V	ND	ND
CBN	ND	ND
Delta 9-THC	0.21%	2.09
CBC	0.26%	2.65
THC-A	ND	ND
Delta 8-THC	ND	ND
Cannabinoids Total		
Max Active THC	0.21%	2.09
Max Active CBD	5.79%	57.91
T. Active Cannabinoids	5.75%	57.51
Total Cannabinoids	6.52%	65.23

Max Active Ratios		
27.7:1 CBD to THC		
0.0:1 THC to CBD		



RS (GCMS-HS)	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



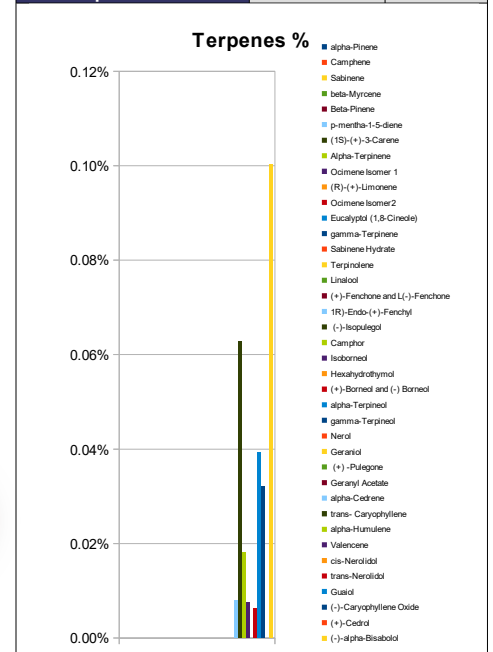
<b>g/capsule</b>	<b>0.65</b>
<b>mg THC/capsule</b>	<b>1.35</b>
<b>mg CBD/capsule</b>	<b>33.01</b>
<b>(mg) total cannabinoids/capsule</b>	<b>42.12</b>

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/g
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	0.01%	0.08
trans- Caryophyllene	0.06%	0.63
alpha-Humulene	0.02%	0.18
Valencene	0.01%	0.08
cis-Nerolidol	ND	ND
trans-Nerolidol	0.01%	0.06
Guaiol	0.04%	0.39
(-)-Caryophyllene Oxide	0.03%	0.32
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	0.10%	1.00
<b>Total Terpenes</b>	<b>0.27%</b>	<b>2.74</b>



**Sample Image**



**Micro Visual:** NOT TESTED  
**Percent Moisture:** NOT TESTED

**Chemist: JW**  
**Report Expires: 01/19/19**