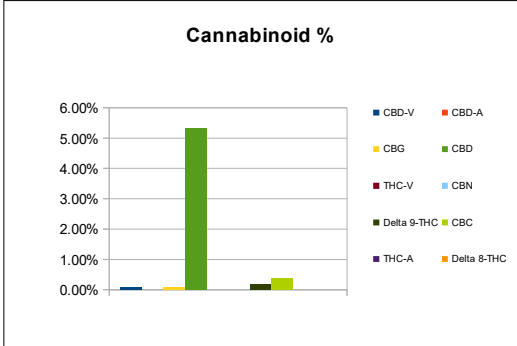
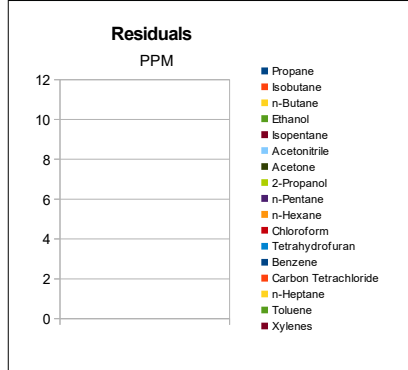


Sample Information		
Sample Identification	Grandma's Hemp Full Spectrum CBD Softgels	
Laboratory Number	2018012920	
Batch Number	487401	
Matrix	Other	
Analyzed Date	09/24/18	
Extraction Date	09/24/18	
Cannabinoid (HPLC)	%	mg/g
Compound		
CBD-V	0.08%	0.76
CBD-A	ND	ND
CBG	0.09%	0.94
CBD	5.31%	53.11
THC-V	ND	ND
CBN	ND	ND
Delta 9-THC	0.17%	1.68
CBC	0.39%	3.90
THC-A	ND	ND
Delta 8-THC	ND	ND
Cannabinoids Total		
Max Active THC	0.17%	1.68
Max Active CBD	5.31%	53.11
T. Active Cannabinoids	6.04%	60.38
Total Cannabinoids	6.04%	60.38

Max Active Ratios		
31.7:1 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



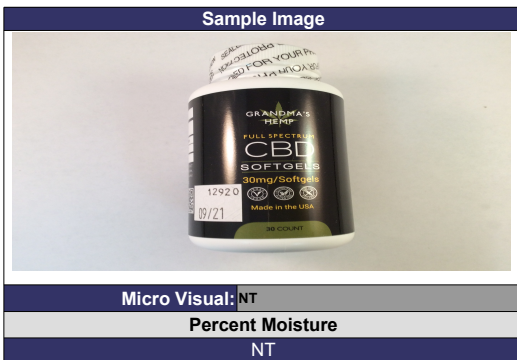
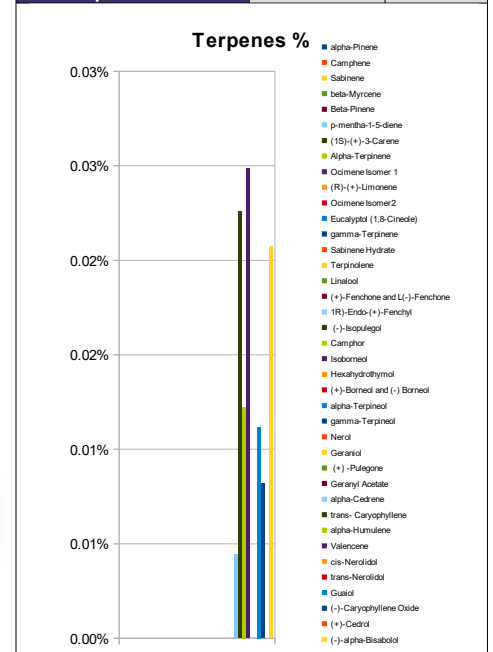
g/capsule	0.62
mg THC/capsule	1.04
mg CBD/capsule	32.96
(mg) total cannabinoids/capsule	37.47

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	0.00%	0.04
trans- Caryophyllene	0.02%	0.23
alpha-Humulene	0.01%	0.12
Valencene	0.02%	0.25
cis-Nerolidol	ND	ND
trans-Nerolidol	ND	ND
Guaiol	0.01%	0.11
(-)-Caryophyllene Oxide	0.01%	0.08
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	0.02%	0.21
Total Terpenes	0.10%	1.04



Chemist: JG
 Report Expires: 10/24/18