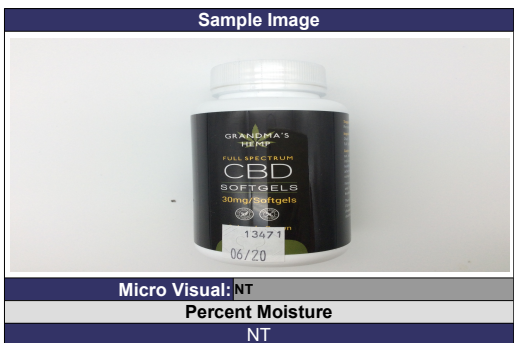
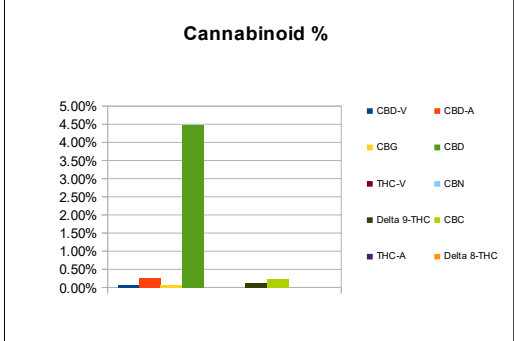


Sample Information		
Sample Identification	Grandma's Hemp Full Spectrum Softgels 900mg	
Laboratory Number	2019013471	
Batch Number	657301	
Matrix	Capsule	
Analyzed Date	06/20/19	
Extraction Date	06/20/19	
Cannabinoid (HPLC)	%	mg/g
Compound		
CBD-V	0.06%	0.55
CBD-A	0.25%	2.50
CBG	0.06%	0.62
CBD	4.47%	44.75
THC-V	ND	ND
CBN	ND	ND
Delta 9-THC	0.12%	1.22
CBC	0.25%	2.45
THC-A	ND	ND
Delta 8-THC	ND	ND
Cannabinoids Total		
Max Active THC	0.12%	1.22
Max Active CBD	4.69%	46.95
T. Active Cannabinoids	4.96%	49.59
Total Cannabinoids	5.21%	52.09

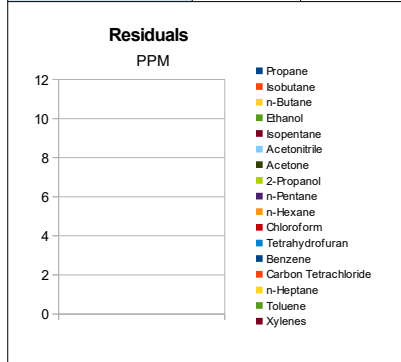
Max Active Ratios		
	38.6 : 1	CBD to THC
	0.0 : 1	THC to CBD



Chemist: JG
Report Expires: 09/18/19

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

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	0.73
mg THC/capsule	0.89
mg CBD/capsule	32.82
(mg) total cannabinoids/capsule	38.20

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/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	ND	ND
trans- Caryophyllene	0.02%	0.20
alpha-Humulene	0.01%	0.13
Valencene	ND	ND
cis-Nerolidol	ND	ND
trans-Nerolidol	ND	ND
Guaiol	0.01%	0.13
(-)-Caryophyllene Oxide	0.02%	0.20
(+) -Cedrol	ND	ND
(-) -alpha-Bisabolol	0.03%	0.30
Total Terpenes	0.10%	0.96

