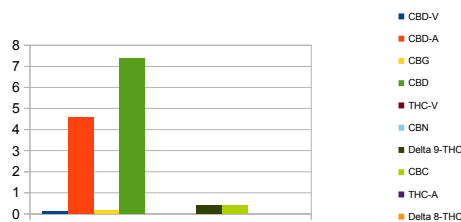




DESERT VALLEY TESTING
51 W. Weldon Ave
Phoenix, Arizona 85013
480-788-6644
www.desertvalleytesting.com

Sample Information			
Sample Identification	A0819		
Laboratory Number	2019016931		
Batch Number	NA		
Matrix	Tincture		
Analyzed Date	08/13/19		
Extraction Date	08/13/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
CBD-V	0.12	3.48	0.01%
CBD-A	4.57	137.13	0.47%
CBG	0.17	5.08	0.02%
CBD	7.36	220.67	0.76%
THC-V	ND	ND	ND
CBN	ND	ND	ND
Delta 9-THC	0.38	11.54	0.04%
CBC	0.39	11.77	0.04%
THC-A	ND	ND	ND
Delta 8-THC	ND	ND	ND
Cannabinoids Total			
Max Active THC	0.38	11.54	0.04%
Max Active CBD	11.38	341.35	1.18%
T. Active Cannabinoids	8.42	252.54	0.87%
Total Cannabinoids	12.99	389.68	1.35%
Max Active Ratios			
29.6 :1 CBD to THC			
0.0 :1 THC to CBD			

Cannabinoid mg/mL



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

Residuals



mL/Bottle	30
mg THC/Bottle	11.54
mg CBD/Bottle	220.67
(mg) total cannabinoids/bottle	389.68

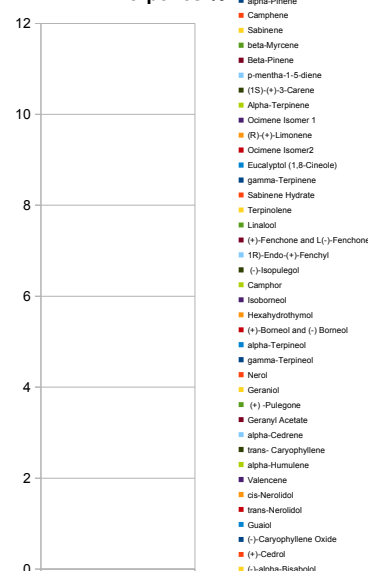
Metals	PPM	RL
Compound		
Lead	NT	0.018
Arsenic	NT	0.007
Cadmium	NT	0.004
Mercury	NT	0.020

Microbial	CFU/g
Compound	
Enterobacteriaceae	NT
Coliform	NT
E. coli	NT
Aerobic	NT
Yeast	NT
Mold	NT



Terpene (GC-MS)	mg/mL	mg/Bottle
Compound		
alpha-Pinene	NT	NT
Camphene	NT	NT
Sabinene	NT	NT
beta-Myrcene	NT	NT
Beta-Pinene	NT	NT
p-mentha-1,5-diene	NT	NT
(1S)-(+)-3-Carene	NT	NT
Alpha-Terpinene	NT	NT
Ocimene Isomer 1	NT	NT
(R)-(+)-Limonene	NT	NT
Ocimene Isomer2	NT	NT
Eucalyptol (1,8-Cineole)	NT	NT
gamma-Terpinene	NT	NT
Sabinene Hydrate	NT	NT
Terpinolene	NT	NT
Linalool	NT	NT
(+)-Fenchone and L(-)-Fenchone	NT	NT
1R)-Endo-(+)-Fenchyl	NT	NT
(-)-Isopulegol	NT	NT
Camphor	NT	NT
Isoborneol	NT	NT
Hexahydrothymol	NT	NT
(+)-Borneol and (-) Borneol	NT	NT
alpha-Terpineol	NT	NT
gamma-Terpineol	NT	NT
Nerol	NT	NT
Geraniol	NT	NT
(+)-Pulegone	NT	NT
Geranyl Acetate	NT	NT
alpha-Cedrene	NT	NT
trans-Caryophyllene	NT	NT
alpha-Humulene	NT	NT
Valencene	NT	NT
cis-Nerolidol	NT	NT
trans-Nerolidol	NT	NT
Guaiol	NT	NT
(-)-Caryophyllene Oxide	NT	NT
(+)-Cedrol	NT	NT
(-)-alpha-Bisabolol	NT	NT
Total Terpenes	NA	NA

Terpenes %



Sample Image	
	
Micro Visual:	NOT TESTED
Percent Moisture	NOT TESTED

Chemist: JW
Report Expires: 11/12/19

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