

PREPARED BY DESERT VALLEY TESTING FOR:

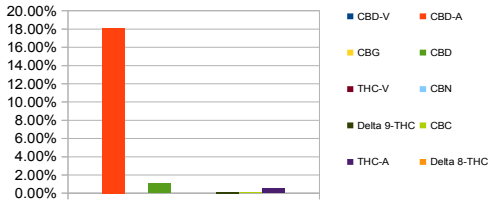


DESERT VALLEY TESTING
51 W. Weldon Ave
Phoenix, Arizona 85013
480-788-6644
www.desertvalleytesting.com

Sample Information	
Sample Identification	Pine Berry
Laboratory Number	2019003755
Batch Number	NA
Matrix	Flower
Analyzed Date	02/15/19
Extraction Date	02/15/19
Cannabinoid (HPLC)	%
Compound	mg/g
CBD-V	ND
CBD-A	18.11%
CBG	ND
CBD	1.09%
THC-V	ND
CBN	ND
Delta 9-THC	0.13%
CBC	0.09%
THC-A	0.52%
Delta 8-THC	ND
Cannabinoids Total	
Max Active THC	0.58%
Max Active CBD	17.03%
T. Active Cannabinoids	1.31%
Total Cannabinoids	19.95%

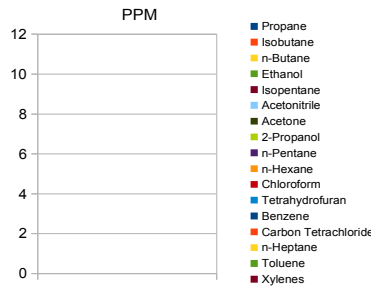
Max Active Ratios	
29.2 :1 CBD to THC	
0.0 :1 THC to CBD	

Cannabinoid %



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

Residuals



g/medible
NA
mg THC/medible
NA
mg CBD/medible
NA
(mg) total cannabinoids/medible
NA

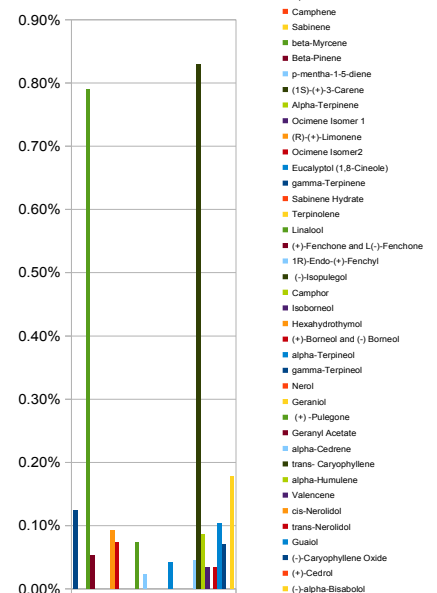
Metals	PPM	RL
Compound		
Lead	NT	0.010
Arsenic	NT	0.010
Cadmium	NT	0.010
Mercury	NT	0.001

RL=Reporting Limit
NA=Not Applicable
NT=Not Tested
ND=Non Detected



Terpene (GC-MS)	%	mg/g
Compound		
alpha-Pinene	0.12%	1.24
Camphene	ND	ND
Sabinene	ND	ND
beta-Myrcene	0.79%	7.89
Beta-Pinene	0.05%	0.54
p-mentha-1-5-diene	ND	ND
(1S)-(+)-3-Carene	ND	ND
Alpha-Terpinene	ND	ND
Ocimene Isomer 1	ND	ND
(R)-(+)-Limonene	0.09%	0.93
Ocimene Isomer2	0.07%	0.75
Eucalyptol (1,8-Cineole)	ND	ND
gamma-Terpinene	ND	ND
Sabinene Hydrate	ND	ND
Terpinolene	ND	ND
Linalool	0.07%	0.73
(+)-Fenchone and L(-)-Fenchone	ND	ND
1R)-Endo-(+)-Fenchyl	0.02%	0.23
(-)-Isopulegol	ND	ND
Camphor	ND	ND
Isoborneol	ND	ND
Hexahydrothymol	ND	ND
(+)-Borneol and (-) Borneol	ND	ND
alpha-Terpineol	0.04%	0.42
gamma-Terpineol	ND	ND
Nerol	ND	ND
Geraniol	ND	ND
(+)-Pulegone	ND	ND
Geranyl Acetate	ND	ND
alpha-Cedrene	0.04%	0.45
trans-Caryophyllene	0.83%	8.29
alpha-Humulene	0.09%	0.86
Valencene	0.03%	0.33
cis-Nerolidol	ND	ND
trans-Nerolidol	0.03%	0.35
Guaiol	0.10%	1.04
(-)-Caryophyllene Oxide	0.07%	0.71
(+)-Cedrol	ND	ND
(-)-alpha-Bisabolol	0.18%	1.78
Total Terpenes	2.65%	26.53

Terpenes %



Chemist: JW
Report Expires: 03/15/19



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Chemist: JW
Report Expires: 03/15/19

Sample Information		
Sample Identification	Pine Berry	
Laboratory Number	2019003755	
Batch Number	NA	
Matrix	Flower	
Analyzed Date	02/19/19	
Extraction Date	02/15/19	
Pesticides (LC-MS TQ)	Mass	RL
Compound	ppm	ppm
ACEPHATE	ND	0.040
ACEQUINOCYL	ND	0.200
ACETAMIPRID	ND	0.020
ALDICARB	ND	0.040
ABAMECTIN	ND	0.070
AVERMECTIN B1B	ND	0.070
AZOXYSTROBIN	ND	0.020
BIFENAZATE	ND	0.020
BIFENTHRIN	ND	0.020
BOSCALID	ND	0.040
CARBARYL	ND	0.020
CARBOFURAN	ND	0.020
CHLORANTRANILIPROLE	ND	0.020
CHLOREFENAPYR	ND	0.100
CHLORPYRIFOS	ND	0.020
CLOFENTEZINE	ND	0.020
CYFLUTHRIN	ND	0.100
CYPERMETHRIN	ND	0.100
DAMINOZIDE	ND	0.100
DIAZINON	ND	0.020
DICHLORVOS	ND	0.010
DIMETHOATE	ND	0.020
ETHOPROPHOS	ND	0.020
ETOXAZOLE	ND	0.010
FENOXICARB	ND	0.020
FENPYROXIMATE	ND	0.040
FIPRONIL	ND	0.040
FLONICAMID	ND	0.100
FLUDIOXONIL	ND	0.040
HEXYTHIAZOX	ND	0.100
IMAZALIL	ND	0.040

Pesticides (LC-MS TQ)	Mass	RL
Compound	ppm	ppm
IMIDACLOPRID	ND	0.020
KRESOXIM-METHYL	ND	0.040
MALATHION A	ND	0.050
METALAXYL	ND	0.020
METHIOCARB	ND	0.020
METHOMYL	ND	0.040
MGK 264	ND	0.020
MYCLOBUTANIL	ND	0.040
NALED	ND	0.050
OXAMYL	ND	0.100
PACLOBUTRAZOL	ND	0.040
PARATHION METHYL	ND	0.100
PERMETHRINS	ND	0.040
PHOSMET	ND	0.020
PIPERONYL BUTOXIDE	ND	0.200
PRALLETHRIN	ND	0.020
PROPICONAZOLE	ND	0.040
PROPOXURE	ND	0.020
PYRETHRINS CINERIN 1	ND	0.500
PYRETHRINS JASMOLIN 1	ND	0.500
PYRETHRINS PYRETHRIN 1	ND	0.500
PYRIDABEN	ND	0.020
SPINOSYN A	ND	0.060
SPINOSYN D	ND	0.060
SPIROMESIFEN	ND	0.030
SPIROTETRAMAT	ND	0.020
SPIROXAMINE	ND	0.040
TEBUCONAZOLE	ND	0.010
THIACLOMPRID	ND	0.020
THIAMETHOXAM	ND	0.020
TRIFLOXYSTROBIN	ND	0.020