

Tri Star Medical

1601 Blue Springs Rd.  
Franklin, TN 37069  
615-525-1636

Laboratory Number: 2009226-02

Batch #: MMG-090720ANTFR2

Sample Received: 9/15/2020; Report Created: 9/18/2020

Mountain Mango  
Flower

Sample Image



Terpenes (GCMS-MS) Analyzed: 09/15/20 By: EGP

Compound	%	mg/g
alpha-Bisabolol	ND	ND
(-)-Borneol and (+)-Borneol	ND	ND
Camphene	ND	ND
Camphor	ND	ND
beta-Caryophyllene	ND	ND
trans-Caryophyllene	ND	ND
Caryophyllene Oxide	ND	ND
alpha-Cedrene	ND	ND
Cedrol	ND	ND
Endo-fenchyl Alcohol	ND	ND
Eucalyptol	ND	ND
Fenchone	ND	ND
Geraniol	ND	ND
Geranyl acetate	ND	ND
Guaiol	ND	ND
Hexahydrothymol	ND	ND
alpha-Humulene	ND	ND
Isoborneol	ND	ND
Isopulegol	ND	ND
Limonene	ND	ND
Linalool	ND	ND
p-Mentha-1,5-diene	ND	ND
beta-Myrcene	0.69	6.9
trans-Nerolidol	ND	ND
Ocimene	ND	ND
alpha-Pinene	ND	ND
beta-Pinene	ND	ND
Pulegone	ND	ND
Sabinene	ND	ND
Sabinene Hydrate	ND	ND
gamma-Terpinene	ND	ND
alpha-Terpinene	ND	ND
3-Carene	ND	ND
Terpineol	ND	ND
Terpinolene	ND	ND
Valencene	ND	ND
Nerol	ND	ND
cis-Nerolidol	ND	ND
<b>Total Terpenes</b>	<b>0.69</b>	<b>6.93</b>

Cannabinoid (HPLC) Analyzed: 09/16/20 By: EGP


Compound	LOQ %	%	mg/g
THC-A	0.05	0.55	5.5
delta 9-THC	0.05	0.05	0.5
delta 8-THC	0.05	ND	ND
THC-V	0.05	ND	ND
CBG-A	0.05	0.16	1.6
CBD-A	0.05	12.95	129.5
CBD	0.05	0.35	3.5
CBD-V	0.05	ND	ND
CBN	0.05	ND	ND
CBG	0.05	ND	ND
CBC	0.05	ND	ND

0.53 % 5.37 mg/g <b>Total THC</b>	11.75 % 117.51 mg/g <b>Total CBD</b>	14.10 % 141.00 mg/g <b>Total Cannabinoids</b>
Total THC = THCa * 0.877 + delta 9-THC; Total CBD = CBDa * 0.877 + CBD		
22.02 : 1 <b>CBD to THC Ratio</b>	Not Tested <b>Water Activity</b>	Not Tested <b>Moisture</b>

Safety

Not Tested <b>Pesticides</b>	Not Tested <b>Microbials</b>	Not Tested <b>Residual Solvents</b>	Not Tested <b>Metals</b>	Not Tested <b>pH</b>
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RL = Reporting Limit  
NA = Not Applicable  
NT = Not Tested  
ND = Non Detected  
LOQ = Limit of Quantification



Augustus Olthafer  
Chemist



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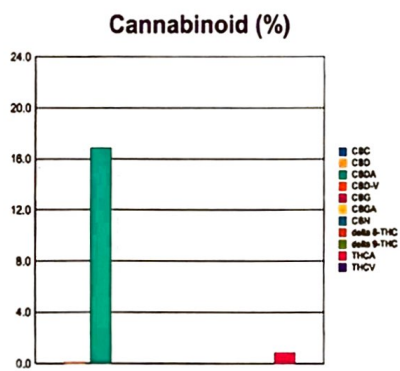
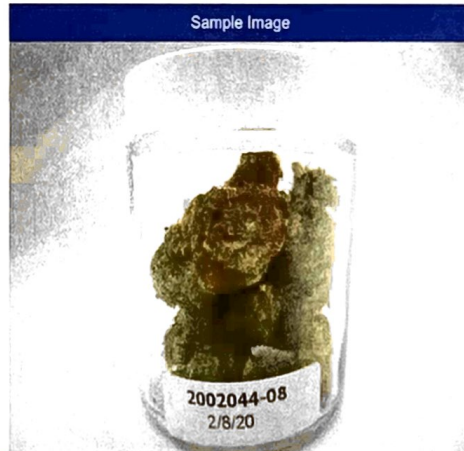
# desert valley

## TESTING

Sample Information		
Sample Identification	Mountain Mango	
Laboratory Number	2002044-08	
Batch Number	Final - FEB	
Matrix	Flower	
Cannabinoid (HPLC)		
Compound	%	mg/g
THCA	0.85	8.5
delta 9-THC	ND	ND
delta 8-THC	ND	ND
THCV	ND	ND
CBGA	ND	ND
CBDA	16.84	168.4
CBD	0.18	1.8
CBD-V	ND	ND
CBN	ND	ND
CBG	ND	ND
CBC	ND	ND
Cannabinoids Total		
Max Active THC	0.75	7.47
Max Active CBD	14.98	149.84
T.Active Cannabinoids	0.18	1.84
Total Cannabinoids	17.90	179.00
Max Active Ratios		
19.99 : 1 CBD to THC		
0.05 :1 THC to CBD		

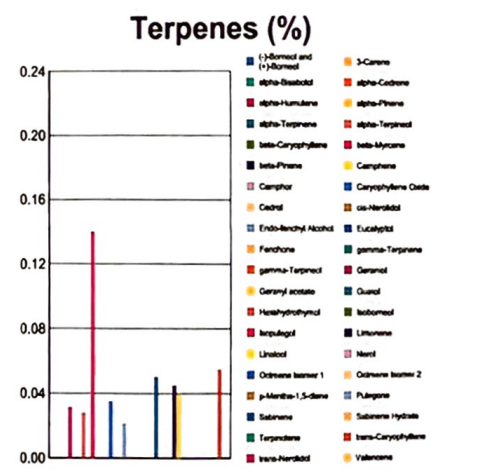
RS (GCMS-MS)	ppm	RL
Compound		
Acetone	NT	NT
Acetonitrile	NT	NT
Benzene	NT	NT
n-Butane	NT	NT
Carbon Tetrachloride	NT	NT
Chloroform	NT	NT
1,2-Dichloroethane	NT	NT
Ethanol	NT	NT
Ethyl acetate	NT	NT
Ethylene oxide	NT	NT
n-Heptane	NT	NT
n-Hexane	NT	NT
iso-Butane	NT	NT
iso-Pentane	NT	NT
Methylene Chloride	NT	NT
n-Pentane	NT	NT
Propane	NT	NT
2-Propanol (IPA)	NT	NT
Tetrahydrofuran	NT	NT
Toluene	NT	NT
Trichloroethene	NT	NT
o-Xylene	NT	NT
Xylenes (m,p)	NT	NT

Terpenes (HPLC)	%	mg/g
Compound		
alpha-Bisabolol	ND	ND
(-)-Borneol and (+)-Borneol	ND	ND
Camphene	ND	ND
Camphor	ND	ND
beta-Caryophyllene	ND	ND
trans-Caryophyllene	0.06	0.6
Caryophyllene Oxide	0.04	0.4
alpha-Cedrene	ND	ND
Cedrol	ND	ND
Endo-fenchyl Alcohol	0.02	0.2
Eucalyptol	ND	ND
Fenchone	ND	ND
Geraniol	ND	ND
Geranyl acetate	ND	ND
Guaiol	0.05	0.5
Hexahydrothymol	ND	ND
alpha-Humulene	0.03	0.3
Isoborneol	ND	ND
Isopulegol	ND	ND
Limonene	0.05	0.5
Linalool	0.04	0.4
p-Mentha-1,5-diene	ND	ND
beta-Myrcene	0.14	1.4
trans-Nerolidol	ND	ND
Ocimene Isomer 1	ND	ND
alpha-Pinene	ND	ND
beta-Pinene	ND	ND
Pulegone	ND	ND
Sabinene	ND	ND
Sabinene Hydrate	ND	ND
gamma-Terpinene	ND	ND
alpha-Terpinene	ND	ND
alpha-Terpineol	0.03	0.3
3-Carene	ND	ND
Ocimene Isomer 2	ND	ND
gamma-Terpineol	ND	ND
Terpinolene	ND	ND
Valencene	ND	ND
Nerol	ND	ND
cis-Nerolidol	ND	ND
Total Terpenes	0.45	4.46



Metals	ppm	RL
Compound		
Arsenic	NT	NT
Cadmium	NT	NT
Lead	NT	NT
Mercury	NT	NT
Percent Moisture		
9.19 %		
Water Activity		
NT		

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Microbials	Results	RL	Units
<b>Compound</b>			
Salmonella	ND	1.00	cfu/g
Total Coliform	ND	10.0	cfu/g
E. coli	ND	10.0	cfu/g
Yeast	ND	10.0	cfu/g
Mold	340	10.0	cfu/g
Aerobic Bacteria	10.0	10.0	cfu/g
Enterobacteria	ND	10.0	cfu/g