

## High Grade Confidential

License#: 2320 E Baseline Rd Ste 490  
Phoenix, AZ 85042  
(520) 780-7740

Additional Licenses:  
Batch #: 05081821; External Lot #:  
Sample Batch Collection: 08/26/21 11:25; Sample Batch Collected By: High Grade Confiden  
Sample Received: 8/26/2021; Report Created: 9/8/2021

Clementine

Laboratory Number: 2108220-04  
Flower

<b>Herbicides</b> PASS	<b>Pesticides</b> PASS	<b>Residual Solvents</b> PASS	<b>Metals</b> PASS	<b>Mycotoxins</b> Not Tested	<b>Aspergillus</b> PASS	<b>E. Coli/ Salmonella</b> PASS
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### Sample Image



### Residual Solvents (GCMS-MS) Analyzed: 09/01/21 By: KSG

Analyte	RL	ppm	Q
Propane	625.00	ND	L1, N1
Butanes	625.00	ND	L1
Pentanes	145.00	ND	
Acetonitrile	205.00	ND	
Dichloromethane	300.00	ND	V1
Hexanes	145.00	ND	
Chloroform	30.00	ND	
n-Heptane	2500.0	ND	
Methanol	1500.0	ND	V1
Ethanol	2500.0	ND	
Diethyl Ether	2500.0	ND	
Acetone	500.00	ND	
Isopropanol	2500.0	ND	
Ethyl acetate	2500.0	ND	
Isopropyl acetate	2500.0	ND	
Benzene	1.00	ND	
Toluene	445.00	ND	
Xylenes	100.00	ND	

### Cannabinoid (HPLC) Analyzed: 09/01/21 By: CBH

Analyte	LOQ %	%	mg/g	Q
THC-A	0.52	27.87	278.7	D1
delta 9-THC	0.05	1.06	10.6	
delta 8-THC	0.05	ND	ND	
THC-V	0.05	0.07	0.7	
CBG-A	0.05	2.50	25	
CBD-A	0.05	0.10	1	
CBD	0.05	ND	ND	
CBD-V	0.05	ND	ND	
CBN	0.05	0.29	2.9	
CBG	0.05	0.18	1.8	
CBC	0.05	ND	ND	

### Metals (ICP-MS) Analyzed: 09/02/21 By: JVR

Element	RL	ppm	Q
Arsenic	0.100	ND	
Cadmium	0.100	ND	
Lead	0.100	ND	
Mercury	0.010	ND	

### Regulated Microbials (Petrifilm) Analyzed: 8/31/2021 By: LEF

Pathogens	RL	Result	Units	Q
E. coli	10.0	ND	cfu/g	

### Regulated Microbials (PCR) Analyzed: 9/8/2021 By: MEF

Pathogens	RL	Result	Units	Q
Aspergillus	1.00	Absent	cfu/g	
Salmonella	1.00	Absent	cfu/g	

25.46 % 254.60 mg/g <b>Total THC</b>	0.08 % 0.83 mg/g <b>Total CBD</b>	32.10 % 321.00 mg/g <b>Total Cannabinoids</b>
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Total THC = THCa \* 0.877 + delta 9-THC + delta 8-THC; Total CBD = CBDA \* 0.877 + CBD

### Regulated Mycotoxins (LC-MS TQ) Analyzed: By:

Pathogens	RL	ppb	Q
Aflatoxins	NT	NT	
Ochratoxins	NT	NT	

RL = Reporting Limit  
NA = Not Applicable  
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Erin Polly  
Technical Laboratory Director

This product has been tested by Desert Valley Testing using valid testing methodologies. Values reported only relate to the product tested.  
Desert Valley Testing makes no claims to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Desert Valley Testing.



# Certificate of Analysis

00000003LCIN00627986

51 W. Weldon Ave

Phoenix, AZ

(480) 788-6644

www.desertvalleytesting.com

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Pesticides (LC-MS TQ) Analyzed: 08/31/21 By: MLC							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.208	ND		Acequinocyl	1.04	ND	
Acetamiprid	0.104	ND		Aldicarb	0.208	ND	
Azoxystrobin	0.104	ND		Bifenthrin	0.104	ND	
Boscalid	0.208	ND		Carbaryl	0.104	ND	
Carbofuran	0.104	ND		Chlorpyrifos	0.104	ND	
Diazinon	0.104	ND		Dimethoate	0.104	ND	
Ethoprophos	0.104	ND		Etofenprox	0.208	ND	
Etoxazole	0.104	ND		Fenoxycarb	0.104	ND	
Fenpyroximate E	0.208	ND		Fonicamid	0.520	ND	
Fludioxonil	0.208	ND		Hexythiazox	0.520	ND	
Imazalil	0.104	ND		Imidacloprid	0.208	ND	
Kresoxim-methyl	0.208	ND		Malathion	0.104	ND	
Metalaxyl	0.104	ND		Methiocarb	0.104	ND	
Methomyl	0.208	ND		Myclobutanil	0.104	ND	
Naled	0.260	ND		Oxamyl	0.520	ND	
Piperonyl butoxide	1.04	ND		Propiconazole	0.208	ND	
Propoxure	0.104	ND		Spiromesifen	0.104	ND	
Spirotetramat	0.104	ND		Spiroxamine	0.208	ND	
Tebuconazole	0.208	ND		Thiacloprid	0.104	ND	
Thiamethoxam	0.104	ND		Trifloxystrobin	0.104	ND	
Abamectin	0.260	ND		Bifenazate	0.104	ND	V1
Chlorantraniliprole	0.104	ND		Clofentezine	0.104	ND	
Cyfluthrin	1.04	ND		Cypermethrin	0.520	ND	
Daminozide	0.520	ND	V1	DDVP (Dichlorvos)	0.052	ND	
Fipronil	0.208	ND		Paclobutrazol	0.208	ND	
Permethrins	0.104	ND		Phosmet	0.104	ND	
Prallethrin	0.104	ND	V1	Pyrethrins	0.520	ND	
Pyridaben	0.104	ND	M2	Spinosad	0.104	ND	
Chlorfenapyr	1.04	ND					

Herbicides (LC-MS TQ) Analyzed: 09/03/21 By: MLC			
Analyte	RL	ppm	Q
Pendimethalin	0.052	ND	

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Non-Regulated Microbials (PetriFilms) Analyzed: By:

	RL	Result	Units	Q
<b>Pathogens</b>				
Total Coliform	NT	NT	cfu/g	
Yeast	NT	NT	cfu/g	
Mold	NT	NT	cfu/g	
Aerobic Bacteria	NT	NT	cfu/g	
Enterobacteria	NT	NT	cfu/g	

Terpenes (GCMS-MS) Analyzed: By:

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

Water Activity (Moisture Reactor) Analyzed: By:

	AW	Q
<b>Compound</b>		
Water Activity	NT	

Moisture (Drying Oven) Analyzed: By:

	%	Q
<b>Compound</b>		
Percent Moisture	NT	

pH Test (HannHI11310) Analyzed: By:

	NA	Q
<b>Compound</b>		
pH	NT	

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### QUALIFIER DEFINITIONS AND CASE NARRATIVE

- Q3 Testing results is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R 9-17-317.01(A) or labeling requirements in R9-17-317.
- D1 The limit of quantitation and the sample results were adjusted to reflect sample dilution.
- L1 The percent recovery of a laboratory control sample is greater than the acceptance limits, but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.
- M2 Matrix spike recovery is low, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.
- N1 A description of any variances from the requirements in the QAP, the applicable SOPs, or that Administration made to ensure scientifically valid and defensible testing results, and the reason for the variance; see case narrative.
- V1 Continuing Calibration Verification (CCV) or Quality Control Sample (QCS) recovery exceeds acceptable limits; but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.

Testing results were obtained according to requirements in the quality assurance plan in R 9-17-404.05, in the applicable standard operating procedure, and in R9-17- 404.03 or R9-17-404.04; A description of any variances from the requirements, and the reason for the variance will be described in the Work Order memo.

N1 - Propane matrix spike recovery outside acceptance criteria.

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