

CMS Ventures - GSI  
13454 N. Black Canyon Hwy  
Phoenix, AZ 85029  
14804570860  
Lic#: 00000014ESNA15249640

Sample: S308100-04  
CC ID#: 2308C4L0090.2528  
Lot#: N/A  
Batch#: 0814F4GRA  
Batch Size: N/A

**FINAL**

Sample Name: Grape Ape

Strain Name: Grape Ape

Matrix: Flower

Amount Received: 10.5870 g

Sample Collected: 08/23/2023 10:04

Sample Received: 08/23/2023 14:51

Report Created: 08/29/2023 19:28

**SAFETY**



<b>Microbials</b>  <b>PASS</b>	<b>Residual Solvents</b>  <b>NOT TESTED</b>	<b>Mycotoxins</b>  <b>NOT TESTED</b>	<b>Pesticides</b>  <b>PASS</b>
<b>Metals</b>  <b>PASS</b>			

**Terpenes**

**1.01%**  
**Total Terpenes (Q3)**

**Cannabinoid Results**

<b>23.4%</b> <b>Sum of Cannabinoids (Q3)</b>	<b>20.6%</b> <b>Total THC</b>	<b>&lt;LOQ</b> <b>Total CBD</b>	<b>RATIO</b> <b>1 : 0</b> <b>THC : CBD</b>
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Total THC= THCA \* 0.877 + d9-THC  
Total CBD= CBDA \* 0.877 + CBD



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Technical Laboratory Director

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**Cannabinoids by HPLC-DAD - Compliance**

Date Analyzed: 08/28/2023 Analyst Initials: DRF SOP: C4-SOP-CHEM-003

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
THCA	0.425	22.9	229	
d9-THC	0.425	0.521	5.21	
d8-THC	0.425	<LOQ	< LOQ	
CBDA	0.425	<LOQ	< LOQ	
CBD	0.425	<LOQ	< LOQ	
CBG	0.425	<LOQ	< LOQ	
CBN	0.425	<LOQ	< LOQ	
CBC	0.425	<LOQ	< LOQ	
Sum of Cannabinoids	0.425	23.4	234	Q3
Total THC	0.425	20.6	206	
Total CBD	0.425	<LOQ	< LOQ	
Total Cannabinoids	0.425	20.6	206	Q3

Total THC= THCA \* 0.877 + d9-THC. Total CBD= CBDA \* 0.877 + CBD.

**Terpenes by GC-FID- Noncompliance**

Date Analyzed: 08/28/2023 Analyst Initials: SML SOP: C4-SOP-CHEM-012

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
beta-Caryophyllene	0.029	0.224	2.24	Q3
Limonene	0.029	0.202	2.02	Q3
beta-Myrcene	0.029	0.148	1.48	Q3
Linalool	0.029	0.110	1.10	Q3
alpha-Bisabolol	0.029	0.078	0.778	Q3
alpha-Humulene	0.029	0.077	0.772	Q3
beta-Pinene	0.029	0.074	0.736	Q3
cis-Nerolidol	0.029	0.049	0.495	Q3
alpha-Pinene	0.029	0.046	0.455	Q3
p-Cymene	0.029	<LOQ	< LOQ	Q3
gamma-Terpinene	0.029	<LOQ	< LOQ	Q3
Caryophyllene Oxide	0.029	<LOQ	< LOQ	Q3
Eucalyptol	0.029	<LOQ	< LOQ	Q3
Guaiol	0.029	<LOQ	< LOQ	Q3
Geraniol	0.029	<LOQ	< LOQ	Q3
Isopulegol	0.029	<LOQ	< LOQ	Q3
Terpinolene	0.029	<LOQ	< LOQ	Q3
Ocimene	0.029	<LOQ	< LOQ	Q3
alpha-Terpinene	0.029	<LOQ	< LOQ	Q3
3-Carene	0.029	<LOQ	< LOQ	Q3
Camphene	0.029	<LOQ	< LOQ	Q3
<b>Total Terpenes</b>		<b>1.008</b>	<b>10.08</b>	

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**Pesticides by LC/MS/MS - Compliance**

**Pass**

Date Analyzed: 08/25/2023 Analyst Initials: JCB SOP: C4-SOP-CHEM-006

Analyte	LOQ	Limit	Result	Qualifier	Status	Analyte	LOQ	Limit	Result	Qualifier	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Abamectin	0.116	0.5	<LOQ	M1	Pass	Hexythiazox	0.242	1.0	<LOQ	V1	Pass
Acephate	0.097	0.4	<LOQ		Pass	Imazalil	0.048	0.2	<LOQ		Pass
Acequinocyl	0.485	2.0	<LOQ	M1	Pass	Imidacloprid	0.097	0.4	<LOQ		Pass
Acetamiprid	0.048	0.2	<LOQ		Pass	Kresoxim-methyl	0.097	0.4	<LOQ		Pass
Aldicarb	0.097	0.4	<LOQ		Pass	Malathion	0.048	0.2	<LOQ		Pass
Azoxystrobin	0.048	0.2	<LOQ		Pass	Metalaxyl	0.048	0.2	<LOQ		Pass
Bifenazate	0.048	0.2	<LOQ		Pass	Methiocarb	0.048	0.2	<LOQ		Pass
Bifenthrin	0.048	0.2	<LOQ	M1	Pass	Methomyl	0.097	0.4	<LOQ		Pass
Boscalid	0.097	0.4	<LOQ		Pass	Myclobutanil	0.048	0.2	<LOQ		Pass
Carbaryl	0.048	0.2	<LOQ		Pass	Naled	0.121	0.5	<LOQ		Pass
Carbofuran	0.048	0.2	<LOQ		Pass	Oxamyl	0.242	1.0	<LOQ		Pass
Chlorantraniliprole	0.048	0.2	<LOQ		Pass	Paclobutrazol	0.097	0.4	<LOQ		Pass
Chlorfenapyr	0.485	1.0	<LOQ		Pass	Permethrins	0.048	0.2	<LOQ		Pass
Chlorpyrifos	0.048	0.2	<LOQ		Pass	Phosmet	0.048	0.2	<LOQ		Pass
Clofentezine	0.048	0.2	<LOQ	M1	Pass	Piperonyl butoxide	0.485	2.0	<LOQ		Pass
Cyfluthrin	0.485	1.0	<LOQ	M1	Pass	Prallethrin	0.048	0.2	<LOQ		Pass
Cypermethrin	0.242	1.0	<LOQ	V1	Pass	Propiconazole	0.097	0.4	<LOQ		Pass
Daminozide	0.485	1.0	<LOQ		Pass	Propoxur	0.048	0.2	<LOQ	M2	Pass
Diazinon	0.048	0.2	<LOQ		Pass	Pyrethrins	0.156	1.0	<LOQ	V1	Pass
Dichlorvos	0.048	0.1	<LOQ		Pass	Pyridaben	0.048	0.2	<LOQ		Pass
Dimethoate	0.048	0.2	<LOQ		Pass	Spinosad	0.048	0.2	<LOQ	V1	Pass
Ethoprophos	0.048	0.2	<LOQ		Pass	Spiromesifen	0.048	0.2	<LOQ		Pass
Etofenprox	0.097	0.4	<LOQ		Pass	Spirotetramat	0.048	0.2	<LOQ		Pass
Etoxazole	0.048	0.2	<LOQ		Pass	Spiroxamine	0.097	0.4	<LOQ		Pass
Fenoxycarb	0.048	0.2	<LOQ		Pass	Tebuconazole	0.097	0.4	<LOQ		Pass
Fenpyroximate	0.097	0.4	<LOQ		Pass	Thiacloprid	0.048	0.2	<LOQ		Pass
Fipronil	0.097	0.4	<LOQ		Pass	Thiamethoxam	0.048	0.2	<LOQ		Pass
Fonicamid	0.242	1.0	<LOQ		Pass	Trifloxystrobin	0.048	0.2	<LOQ		Pass
Fludioxonil	0.097	0.4	<LOQ	M2	Pass						



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**Metals by ICP-MS - Compliance**

**Pass**

Date Analyzed: 08/25/2023 Analyst Initials: SML SOP: C4-SOP-CHEM-008

Analyte	LOQ	Limit	Result	Qualifier	Status
	ppm	ppm	ppm		
Arsenic	0.100	0.4	<LOQ		Pass
Cadmium	0.100	0.4	<LOQ		Pass
Lead	0.398	1.0	<LOQ		Pass
Mercury	0.398	1.2	<LOQ		Pass



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**Microbials**

**Pass**

**E. coli by 3M Petrifilm- Compliance**

Date Analyzed: 08/25/2023 Analyst Initials: MRB SOP: C4-SOP-MICRO-010

Analyte	LOQ	Limit	Result	Qualifier	Status
	CFU/g	CFU/g	CFU/g		
<i>E. coli</i>	10	100	<10		Pass

**Aspergillus and Salmonella by qPCR - Compliance**

Date Analyzed: 08/25/2023 Analyst Initials: MRB SOP: C4-SOP-MICRO-012

Analyte	Result	Qualifier	Status
	in one gram		
<i>Salmonella spp.</i>	Not Detected		Pass
<i>Aspergillus</i>	Not Detected		Pass

Aspergillus includes species flavus, fumigatus, niger, and terreus. Salmonella and Aspergillus by Medicinal Genomics.



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**Notes and Definitions**

Item	Definition
I1	Interference. Relative intensity of a characteristic ion in the sample analyte exceeded 30% of the relative intensity in the reference spectrum.
M1	Matrix Spike recovery was higher than control limit but recovery of the LCS was within control limits.
M2	Matrix Spike recovery was lower than control limit but recovery of the LCS was within control limits.
Q3	Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317. Testing result is not accredited under ISO 17025.
V1	CCV recovery exceeded control limits but the sample analyte concentration was below maximum allowable concentrations in table 3.1
< LOQ	Results below the Limit of Quantification.
Limit	Maximum allowable concentration as defined by Table 3.1 in Arizona Administrative code (A.A.C.) Title 9, Chapter 17
CFU/g	Colony forming units per gram
ppm	Parts per million
ppb	Parts per billion
NT	Not Tested
Sum of Cannabinoids = THCA + d9-THC + CBDA + CBD + d8-THC + CBG + CBN + CBC	
Total Cannabinoids = Total THC + Total CBD + d8-THC + CBG + CBN + CBC	



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