

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

Sample: S312011-05  
CC ID#: 2312C4L0002.3798  
Lot#: N/A  
Batch#: 1114F2PDR  
Batch Size: N/A

**FINAL**

Sample Name: Pile Driver OG

Strain Name: Pile Driver OG

Matrix: Flower

Amount Received: 11.4577 g

Sample Collected: 12/5/2023 10:00

Sample Received: 12/06/2023 13:01

Report Created: 12/13/2023 18:34

**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**

**1.15%**  
**Total Terpenes (Q3)**

**Cannabinoid Results**

<b>31.1%</b> <b>Sum of Cannabinoids (Q3)</b>	<b>27.4%</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: 12/08/2023 Analyst Initials: DRF SOP: C4-SOP-CHEM-003

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
THCA	0.608	29.5	295	D1
d9-THC	0.608	1.58	15.8	D1
d8-THC	0.608	<LOQ	< LOQ	D1
CBDA	0.608	<LOQ	< LOQ	D1
CBD	0.608	<LOQ	< LOQ	D1
CBG	0.608	<LOQ	< LOQ	D1
CBN	0.608	<LOQ	< LOQ	D1
CBC	0.608	<LOQ	< LOQ	D1
Sum of Cannabinoids	0.608	31.1	311	D1, Q3
Total THC	0.608	27.4	274	D1
Total CBD	0.608	<LOQ	< LOQ	D1
Total Cannabinoids	0.608	27.4	274	D1, Q3

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

**Terpenes by GC-FID- Noncompliance**

Date Analyzed: 12/11/2023 Analyst Initials: NSS SOP: C4-SOP-CHEM-012

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
beta-Caryophyllene	0.029	0.266	2.66	Q3
Limonene	0.029	0.211	2.11	Q3
beta-Myrcene	0.029	0.176	1.76	Q3
Linalool	0.029	0.162	1.62	Q3
alpha-Humulene	0.029	0.081	0.812	Q3
beta-Pinene	0.029	0.075	0.752	Q3
alpha-Bisabolol	0.029	0.073	0.733	Q3
cis-Nerolidol	0.029	0.055	0.547	Q3
alpha-Pinene	0.029	0.054	0.536	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>1.153</b>	<b>11.53</b>	

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

**Pass**

Date Analyzed: 12/12/2023 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	0.121	0.5	<LOQ	V1	Pass	Imazalil	0.051	0.2	<LOQ	V1	Pass
Acephate	0.101	0.4	<LOQ		Pass	Imidacloprid	0.101	0.4	<LOQ	L1, V1	Pass
Acetamiprid	0.051	0.2	<LOQ	V1	Pass	Kresoxim-methyl	0.101	0.4	<LOQ	V1	Pass
Aldicarb	0.101	0.4	<LOQ		Pass	Malathion	0.051	0.2	<LOQ		Pass
Azoxystrobin	0.051	0.2	<LOQ	V1	Pass	Metalaxyl	0.051	0.2	<LOQ	L1, V1	Pass
Bifenazate	0.051	0.2	<LOQ	L1, V1	Pass	Methiocarb	0.051	0.2	<LOQ	L1	Pass
Bifenthrin	0.051	0.2	<LOQ	V1	Pass	Methomyl	0.101	0.4	<LOQ	V1	Pass
Boscalid	0.101	0.4	<LOQ	V1	Pass	Myclobutanil	0.051	0.2	<LOQ	L1, V1	Pass
Carbaryl	0.051	0.2	<LOQ		Pass	Naled	0.126	0.5	<LOQ		Pass
Carbofuran	0.051	0.2	<LOQ	L1, V1	Pass	Oxamyl	0.253	1.0	<LOQ	L1, V1	Pass
Chlorantraniliprole	0.051	0.2	<LOQ	L1	Pass	Paclbutrazol	0.101	0.4	<LOQ	L1	Pass
Chlorfenapyr	0.505	1.0	<LOQ	V1	Pass	Permethrins	0.051	0.2	<LOQ		Pass
Chlorpyrifos	0.051	0.2	<LOQ	L1, V1	Pass	Phosmet	0.051	0.2	<LOQ		Pass
Clofentezine	0.051	0.2	<LOQ		Pass	Piperonyl butoxide	0.505	2.0	<LOQ	V1	Pass
Cyfluthrin	0.505	1.0	<LOQ	V1	Pass	Prallethrin	0.051	0.2	<LOQ	L1	Pass
Cypermethrin	0.253	1.0	<LOQ	V1	Pass	Propiconazole	0.101	0.4	<LOQ	L1	Pass
Daminozide	0.505	1.0	<LOQ	L1, V1	Pass	Propoxur	0.051	0.2	<LOQ	V1	Pass
Diazinon	0.051	0.2	<LOQ	L1	Pass	Pyrethrins	0.163	1.0	<LOQ	L1, L1, V1	Pass
Dichlorvos	0.051	0.1	<LOQ	V1	Pass	Pyridaben	0.051	0.2	<LOQ	V1	Pass
Dimethoate	0.051	0.2	<LOQ	V1	Pass	Spinosad	0.051	0.2	<LOQ	V1, I1	Pass
Ethoprophos	0.051	0.2	<LOQ	L1, V1	Pass	Spiromesifen	0.051	0.2	<LOQ	V1	Pass
Etofenprox	0.101	0.4	<LOQ	V1	Pass	Spirotetramat	0.051	0.2	<LOQ	L1, V1	Pass
Etoxazole	0.051	0.2	<LOQ		Pass	Spiroxamine	0.101	0.4	<LOQ		Pass
Fenoxycarb	0.051	0.2	<LOQ	L1, V1	Pass	Tebuconazole	0.101	0.4	<LOQ	L1, V1	Pass
Fenpyroximate	0.101	0.4	<LOQ	V1	Pass	Thiacloprid	0.051	0.2	<LOQ	V1	Pass
Fipronil	0.101	0.4	<LOQ	L1, V1	Pass	Thiamethoxam	0.051	0.2	<LOQ		Pass
Fonicamid	0.253	1.0	<LOQ	L1, V1	Pass	Trifloxystrobin	0.051	0.2	<LOQ		Pass
Fludioxonil	0.101	0.4	<LOQ	V1	Pass						
Hexythiazox	0.253	1.0	<LOQ	L1, V1	Pass						

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**Metals by ICP-MS - Compliance**

**Pass**

Date Analyzed: 12/08/2023 Analyst Initials: RSS SOP: C4-SOP-CHEM-008

Analyte	LOQ	Limit	Result	Qualifier	Status
	ppm	ppm	ppm		
Arsenic	0.099	0.4	<LOQ		Pass
Cadmium	0.099	0.4	<LOQ		Pass
Lead	0.394	1.0	<LOQ		Pass
Mercury	0.039	0.2	<LOQ		Pass



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**Microbials**

**Pass**

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

Date Analyzed: 12/12/2023 Analyst Initials: DHV 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: 12/12/2023 Analyst Initials: DHV 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
D1	LOQ and sample results were adjusted to reflect sample dilution.
I1	Interference. Relative intensity of a characteristic ion in the sample analyte exceeded 30% of the relative intensity in the reference spectrum.
L1	The percent recovery of the LCS was above the control limit for the test but analyte was not detected above the Action Limit in Table 3.1.
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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