

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

Sample: S311037-04
CC ID#: 2311C4L0036.3636
Lot#: N/A
Batch#: 0901BLPLP
Batch Size: N/A

FINAL

Sample Name: Polar Puff
Strain Name: Polar Puff
Matrix: Flower
Amount Received: 11.1804 g

Sample Collected: 11/10/2023 14:00
Sample Received: 11/14/2023 11:18
Report Created: 11/21/2023 16:35

SAFETY



Microbials PASS	Residual Solvents NOT TESTED	Mycotoxins NOT TESTED	Pesticides PASS
Metals PASS			

Terpenes

1.04%
Total Terpenes (Q3)

Cannabinoid Results

30.9% Sum of Cannabinoids (Q3)	27.3% Total THC	<LOQ Total CBD	RATIO 1 : 0 THC : CBD
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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: 11/17/2023 Analyst Initials: DRF SOP: C4-SOP-CHEM-003

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
THCA	0.561	29.4	294	D1
d9-THC	0.561	1.55	15.5	D1
d8-THC	0.561	<LOQ	< LOQ	D1
CBDA	0.561	<LOQ	< LOQ	D1
CBD	0.561	<LOQ	< LOQ	D1
CBG	0.561	<LOQ	< LOQ	D1
CBN	0.561	<LOQ	< LOQ	D1
CBC	0.561	<LOQ	< LOQ	D1
Sum of Cannabinoids	0.561	30.9	309	D1, Q3
Total THC	0.561	27.3	273	D1
Total CBD	0.561	<LOQ	< LOQ	D1
Total Cannabinoids	0.561	27.3	273	D1, Q3

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

Terpenes by GC-FID- Noncompliance

Date Analyzed: 11/17/2023 Analyst Initials: NSS SOP: C4-SOP-CHEM-012

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
beta-Caryophyllene	0.027	0.235	2.35	Q3
Limonene	0.027	0.203	2.03	Q3
beta-Myrcene	0.027	0.165	1.65	Q3
Linalool	0.027	0.123	1.23	Q3
alpha-Humulene	0.027	0.081	0.810	Q3
alpha-Bisabolol	0.027	0.078	0.782	Q3
beta-Pinene	0.027	0.066	0.656	Q3
alpha-Pinene	0.027	0.044	0.445	Q3
cis-Nerolidol	0.027	0.042	0.422	Q3
p-Cymene	0.027	<LOQ	< LOQ	Q3
gamma-Terpinene	0.027	<LOQ	< LOQ	Q3
Caryophyllene Oxide	0.027	<LOQ	< LOQ	Q3
Eucalyptol	0.027	<LOQ	< LOQ	Q3
Guaiol	0.027	<LOQ	< LOQ	Q3
Geraniol	0.027	<LOQ	< LOQ	Q3
Isopulegol	0.027	<LOQ	< LOQ	Q3
Terpinolene	0.027	<LOQ	< LOQ	Q3
Ocimene	0.027	<LOQ	< LOQ	Q3
alpha-Terpinene	0.027	<LOQ	< LOQ	Q3
3-Carene	0.027	<LOQ	< LOQ	Q3
Camphene	0.027	<LOQ	< LOQ	Q3
Total Terpenes		1.037	10.38	

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Pesticides by LC/MS/MS - Compliance

Pass

Date Analyzed: 11/15/2023 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	0.114	0.5	<LOQ		Pass	Imazalil	0.047	0.2	<LOQ	L1, V1	Pass
Acephate	0.095	0.4	<LOQ		Pass	Imidacloprid	0.095	0.4	<LOQ	L1, V1	Pass
Acetamiprid	0.047	0.2	<LOQ	L1, V1	Pass	Kresoxim-methyl	0.095	0.4	<LOQ	V1	Pass
Aldicarb	0.095	0.4	<LOQ		Pass	Malathion	0.047	0.2	<LOQ		Pass
Azoxystrobin	0.047	0.2	<LOQ	L1, V1	Pass	Metalaxyl	0.047	0.2	<LOQ	L1, V1	Pass
Bifenazate	0.047	0.2	<LOQ	L1	Pass	Methiocarb	0.047	0.2	<LOQ	L1	Pass
Bifenthrin	0.047	0.2	<LOQ	V1	Pass	Methomyl	0.095	0.4	<LOQ	L1, V1	Pass
Boscalid	0.095	0.4	<LOQ		Pass	Myclobutanil	0.047	0.2	<LOQ	V1	Pass
Carbaryl	0.047	0.2	<LOQ		Pass	Naled	0.119	0.5	<LOQ		Pass
Carbofuran	0.047	0.2	<LOQ	L1, V1	Pass	Oxamyl	0.237	1.0	<LOQ	L1, V1	Pass
Chlorantraniliprole	0.047	0.2	<LOQ	L1, V1	Pass	Paclbutrazol	0.095	0.4	<LOQ	L1	Pass
Chlorfenapyr	0.474	1.0	<LOQ	V1	Pass	Permethrins	0.047	0.2	<LOQ	V1	Pass
Chlorpyrifos	0.047	0.2	<LOQ	L1, V1	Pass	Phosmet	0.047	0.2	<LOQ	I1, V1	Pass
Clofentezine	0.047	0.2	<LOQ	V1	Pass	Piperonyl butoxide	0.474	2.0	<LOQ	V1	Pass
Cyfluthrin	0.474	1.0	<LOQ	L1, V1	Pass	Prallethrin	0.047	0.2	<LOQ	L1	Pass
Cypermethrin	0.237	1.0	<LOQ	V1	Pass	Propiconazole	0.095	0.4	<LOQ	L1, V1	Pass
Daminozide	0.474	1.0	<LOQ	L1	Pass	Propoxur	0.047	0.2	<LOQ	V1	Pass
Diazinon	0.047	0.2	<LOQ	L1	Pass	Pyrethrins	0.153	1.0	<LOQ	I1, L1, V1	Pass
Dichlorvos	0.047	0.1	<LOQ		Pass	Pyridaben	0.047	0.2	<LOQ	V1	Pass
Dimethoate	0.047	0.2	<LOQ	L1, V1	Pass	Spinosad	0.047	0.2	<LOQ	V1	Pass
Ethoprophos	0.047	0.2	<LOQ	V1	Pass	Spiromesifen	0.047	0.2	<LOQ	L1, V1	Pass
Etofenprox	0.095	0.4	<LOQ	L1, V1	Pass	Spirotetramat	0.047	0.2	<LOQ	V1, L1	Pass
Etoxazole	0.047	0.2	<LOQ	L1	Pass	Spiroxamine	0.095	0.4	<LOQ	L1, V1	Pass
Fenoxycarb	0.047	0.2	<LOQ	L1, V1	Pass	Tebuconazole	0.095	0.4	<LOQ	L1, V1	Pass
Fenpyroximate	0.095	0.4	<LOQ	V1	Pass	Thiacloprid	0.047	0.2	<LOQ	L1, V1	Pass
Fipronil	0.095	0.4	<LOQ	L1, V1	Pass	Thiamethoxam	0.047	0.2	<LOQ	L1, V1	Pass
Fonicamid	0.237	1.0	<LOQ	V1	Pass	Trifloxystrobin	0.047	0.2	<LOQ	V1	Pass
Fludioxonil	0.095	0.4	<LOQ	V1	Pass						
Hexythiazox	0.237	1.0	<LOQ	L1, V1	Pass						

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Metals by ICP-MS - Compliance

Pass

Date Analyzed: 11/15/2023 Analyst Initials: RSS SOP: C4-SOP-CHEM-008

Analyte	LOQ	Limit	Result	Qualifier	Status
	ppm	ppm	ppm		
Arsenic	0.099	0.4	<LOQ	L1	Pass
Cadmium	0.099	0.4	<LOQ		Pass
Lead	0.397	1.0	<LOQ		Pass
Mercury	0.397	1.2	<LOQ		Pass



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Microbials

Pass

E. coli by 3M Petrifilm- Compliance

Date Analyzed: 11/16/2023 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: 11/21/2023 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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