

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

Sample: S308071-03
CC ID#: 2308C4L0064.2473
Lot#: N/A
Batch#: 0809PPLLHR
Batch Size: N/A

FINAL

Sample Name: Live Hash Rosin - Purple Petrol
Strain Name: Purple Petrol
Matrix: Concentrates Extracts

Sample Received: 08/16/2023
Report Created: 08/22/2023



Potency Results

77.6%	<LOQ%	RATIO	
Total THC	Total CBD	1	0
		THC	CBD

Total THC= THCa * 0.877 + d9-THC
Total CBD= CBDa * 0.877 + CBD

SAFETY

Microbials	Residual Solvents	Mycotoxins	Pesticides	Metals
PASS	PASS	PASS	PASS	PASS



Jillian Blaney
Technical Laboratory Director

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Cannabinoids by HPLC-DAD - Compliance

Date Analyzed: 08/17/2023 Analyst Initials: DRF

Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g	
THCA	1.58	<LOQ	< LOQ	
d9-THC	1.58	77.6	776	
d8-THC	1.58	<LOQ	< LOQ	
CBDA	1.58	<LOQ	< LOQ	
CBD	1.58	<LOQ	< LOQ	M1
CBG	1.58	3.82	38.2	
CBN	1.58	<LOQ	< LOQ	
CBC	1.58	<LOQ	< LOQ	
Sum of Cannabinoids	1.58	81.4	814	Q3
Total THC	1.58	77.6	776	
Total CBD	1.58	<LOQ	< LOQ	

Total THC= THCa * 0.877 + d9-THC. Total CBD= CBDA * 0.877 + CBD.
LOQ = Limit of Quantitation; NR = Not Reported; ND = Not Detected.
Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.
Cannabinoids method: HPLC-DAD.

Terpenes by GC-FID- Noncompliance

Date Analyzed: 08/18/2023 Analyst Initials: SML

Analyte	LOQ	Mass	Mass	Q
	%	%	mg/g	
beta-Caryophyllene	0.073	1.30	13.0	Q3
Linalool	0.073	0.821	8.21	Q3
Limonene	0.073	0.596	5.96	Q3
beta-Myrcene	0.073	0.497	4.97	Q3
alpha-Humulene	0.073	0.430	4.30	Q3
alpha-Pinene	0.073	0.313	3.13	Q3
cis-Nerolidol	0.073	0.299	2.99	Q3
beta-Pinene	0.073	0.169	1.69	Q3
alpha-Bisabolol	0.073	0.158	1.58	Q3
p-Cymene	0.073	<LOQ	< LOQ	Q3
gamma-Terpinene	0.073	<LOQ	< LOQ	Q3
Caryophyllene Oxide	0.073	<LOQ	< LOQ	Q3
Eucalyptol	0.073	<LOQ	< LOQ	Q3
Guaiol	0.073	<LOQ	< LOQ	Q3
Geraniol	0.073	<LOQ	< LOQ	Q3
Isopulegol	0.073	<LOQ	< LOQ	Q3
Terpinolene	0.073	<LOQ	< LOQ	Q3
Ocimene	0.073	<LOQ	< LOQ	Q3
alpha-Terpinene	0.073	<LOQ	< LOQ	Q3
3-Carene	0.073	<LOQ	< LOQ	Q3
Camphene	0.073	<LOQ	< LOQ	Q3
Total Terpenes		4.583	45.83	

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Terpene results are provided for informational purposes only.
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Matrix: Concentrates Extracts

Pesticides by LC/MS/MS - Compliance

Pass

Date Analyzed: 08/18/2023 Analyst Initials: JCB

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Abamectin	0.118	0.5	<LOQ	R1, V1	Pass	Hexythiazox	0.245	1.0	<LOQ	M2	Pass
Acephate	0.098	0.4	<LOQ		Pass	Imazalil	0.098	0.2	<LOQ		Pass
Acetaminocyl	0.490	2.0	<LOQ	M1	Pass	Imidacloprid	0.098	0.4	<LOQ		Pass
Acetamiprid	0.049	0.2	<LOQ		Pass	Kresoxim-methyl	0.098	0.4	<LOQ		Pass
Aldicarb	0.098	0.4	<LOQ		Pass	Malathion	0.049	0.2	<LOQ		Pass
Azoxystrobin	0.049	0.2	<LOQ		Pass	Metaxyl	0.098	0.2	<LOQ		Pass
Bifenazate	0.049	0.2	<LOQ	M1	Pass	Methiocarb	0.049	0.2	<LOQ		Pass
Bifenthrin	0.049	0.2	<LOQ		Pass	Methomyl	0.098	0.4	<LOQ		Pass
Boscalid	0.098	0.4	<LOQ	M2	Pass	Myclobutanil	0.049	0.2	<LOQ	L1, V1	Pass
Carbaryl	0.049	0.2	<LOQ		Pass	Naled	0.122	0.5	<LOQ		Pass
Carbofuran	0.049	0.2	<LOQ		Pass	Oxamyl	0.245	1.0	<LOQ		Pass
Chlorantraniliprole	0.049	0.2	<LOQ	V1	Pass	Paclobutrazol	0.098	0.4	<LOQ	L1, V1	Pass
Chlorfenapyr	0.490	1.0	<LOQ	M2	Pass	Permethrins	0.049	0.2	<LOQ	M1	Pass
Chlorpyrifos	0.049	0.2	<LOQ		Pass	Phosmet	0.049	0.2	<LOQ		Pass
Clofentezine	0.049	0.2	<LOQ		Pass	Piperonyl butoxide	0.490	2.0	<LOQ		Pass
Cyfluthrin	0.490	1.0	<LOQ	V1	Pass	Prallethrin	0.098	0.2	<LOQ	V1	Pass
Cypermethrin	0.245	1.0	<LOQ		Pass	Propiconazole	0.098	0.4	<LOQ	V1	Pass
Daminozide	0.490	1.0	<LOQ		Pass	Propoxur	0.049	0.2	<LOQ	M2	Pass
Diazinon	0.049	0.2	<LOQ		Pass	Pyrethrins	0.315	1.0	<LOQ	M1	Pass
Dichlorvos	0.049	0.1	<LOQ		Pass	Pyridaben	0.049	0.2	<LOQ		Pass
Dimethoate	0.049	0.2	<LOQ		Pass	Spinosad	0.049	0.2	<LOQ		Pass
Ethoprophos	0.049	0.2	<LOQ		Pass	Spiromesifen	0.049	0.2	<LOQ		Pass
Etofenprox	0.098	0.4	<LOQ		Pass	Spirotetramat	0.049	0.2	<LOQ	V1	Pass
Etoxazole	0.049	0.2	<LOQ		Pass	Spiroxamine	0.098	0.4	<LOQ		Pass
Fenoxycarb	0.049	0.2	<LOQ		Pass	Tebuconazole	0.098	0.4	<LOQ	L1, V1	Pass
Fenpyroximate	0.098	0.4	<LOQ	V1	Pass	Thiacloprid	0.049	0.2	<LOQ		Pass
Fipronil	0.098	0.4	<LOQ	L1, V1	Pass	Thiamethoxam	0.049	0.2	<LOQ		Pass
Flonicamid	0.245	1.0	<LOQ		Pass	Trifloxystrobin	0.049	0.2	<LOQ	M2	Pass
Fludioxonil	0.098	0.4	<LOQ	M2	Pass						

LOQ = Limit of Quantitation; NR = Not Reported; ND = Not Detected. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Pesticides method: LC/MS/MS.

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Metals by ICP-MS - Compliance

Pass

Date Analyzed: 08/18/2023 Analyst Initials: SML

Analyte	LOQ	Limit	Mass	Q	Status
	ppm	ppm	ppm		
Arsenic	0.101	0.405	<LOQ		Pass
Cadmium	0.101	0.405	<LOQ		Pass
Lead	0.403	1.05	<LOQ		Pass
Mercury	0.403	1.25	<LOQ		Pass

LOQ = Limit of Quantitation; ND = Not Detected. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

Mycotoxins by ELISA- Compliance

Pass

Date Analyzed: 08/17/2023 Analyst Initials: KAM

Analyte	LOQ	Limit	Mass	Q	Status
	ppb	ppb	ppb		
Aflatoxins Total	2.00	20	2.94		Pass
Ochratoxin A	4.00	20	<LOQ		Pass

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Microbials

Pass

E. coli by 3M Petrifilm- Compliance Plate

Date Analyzed: 08/18/2023 Analyst Initials: KAM

Analyte	LOQ	Limit	Result	Q	Status
	CFU/g	CFU/g	CFU/g		
E. coli	10	100	<10		Pass

Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Aspergillus includes species flavus, fumigatus, niger, and terreus. Salmonella and Aspergillus by Medicinal Genomics.

Aspergillus and Salmonella by qPCR - Compliance qPCR

Date Analyzed: 08/18/2023 Analyst Initials: KAM

Analyte	Result	Q	Status
	in one gram		
Salmonella spp.	Not Detected		Pass
Aspergillus	Not Detected		Pass

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Residual Solvents by Headspace GC/MS - Compliance

Pass

Date Analyzed: 08/22/2023 Analyst Initials: SML

Analyte	LOQ	Limit	Units	Q	Status	Analyte	LOQ	Limit	Units	Q	Status
	ppm	ppm	ppm				ppm	ppm	ppm		
Acetone	110	1000	<LOQ		Pass	2-methylpentane/2,	70.5		<LOQ		
Acetonitrile	44.1	410	<LOQ		Pass	3-dimethylbutane					
Benzene	0.881	2	<LOQ		Pass	2-Propanol (IPA)	551	5000	<LOQ		Pass
Butanes	551	5000	<LOQ		Pass	Isopropyl acetate	551	5000	<LOQ		Pass
n-Butane	551		<LOQ			Methanol	330	3000	<LOQ		Pass
iso-Butane	551		<LOQ			Pentanes	551	5000	<LOQ		Pass
Chloroform	13.2	60	<LOQ		Pass	n-Pentane	551		<LOQ		
Dichloromethane	66.1	600	<LOQ		Pass	iso-pentane	551		<LOQ		
Ethanol	551	5000	<LOQ		Pass	neo-Pentane	551		<LOQ		
Ethyl acetate	551	5000	<LOQ		Pass	Propane	551	5000	<LOQ		Pass
Diethyl Ether	551	5000	<LOQ		Pass	Toluene	101	890	<LOQ		Pass
n-Heptane	551	5000	<LOQ		Pass	Xylenes	242	2170	<LOQ		Pass
Hexanes	35.2	290	<LOQ		Pass	m/p-Xylene	485		<LOQ		
n-Hexane	35.2		<LOQ			o-Xylene	242		<LOQ		
3-Methylpentane	35.2		<LOQ			Ethyl benzene	242		<LOQ		
2,2-Dimethylbutane	35.2		<LOQ								

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Solvents method: GC/MS



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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.
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.
R1	The RPD for the LCS/LCSD pair exceeded 20% but recoveries were within control limits.
V1	CCV recovery exceeded control limits but the sample analyte concentration was below maximum allowable concentrations in table 3.1
ND	Analyte NOT DETECTED at or above the reporting limit.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.



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