

VVS Investments LLC, DBA Summus Grow
1039 E Carefree Hwy
Phoenix, AZ 85085
16027414145
Lic#: 00000131DCYO00924714

Sample: S407062-02
CC ID#: 2407C4L0059.2026
Lot#: N/A
Batch#: GC050724DC
Batch Size: N/A
Manufacture Date:
Harvest Date:

FINAL

Sample Name: GC050724DC - Garlic Cocktail - Rosin Decarb
Strain Name: Garlic Cocktail
Matrix: Concentrates_Extracts
Amount Received: 63.7071 g

Sample Collected: 07/17/2024 11:36
Sample Received: 07/18/2024 9:13
Report Created: 07/24/2024 18:27

SAFETY



Microbials PASS	Residual Solvents PASS	Mycotoxins PASS	Pesticides PASS
Metals PASS			

Terpenes

6.92%
Total Terpenes (Q3)

Cannabinoid Results

85.6% Sum of Cannabinoids (Q3)	83.5% 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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Cannabinoids by HPLC-DAD - Compliance

Date Analyzed: 07/22/2024 Analyst Initials: DRF SOP: C4-SOP-CHEM-003

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
THCA	1.61	<LOQ	< LOQ	
d9-THC	1.61	83.5	835	
d8-THC	1.61	<LOQ	< LOQ	
CBDA	1.61	<LOQ	< LOQ	
CBD	1.61	<LOQ	< LOQ	
CBG	1.61	2.12	21.2	
CBN	1.61	<LOQ	< LOQ	
CBC	1.61	<LOQ	< LOQ	
Sum of Cannabinoids	1.61	85.6	856	Q3
Total THC	1.61	83.5	835	
Total CBD	1.61	<LOQ	< LOQ	
Total Cannabinoids	1.61	85.6	856	Q3

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

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Terpenes by GC-FID- Noncompliance

Date Analyzed: 07/23/2024 Analyst Initials: NSS SOP: C4-SOP-CHEM-012

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
d-Limonene	0.019	1.96	19.6	Q3
beta-Caryophyllene	0.019	1.54	15.4	Q3
beta-Myrcene	0.019	1.36	13.6	Q3
alpha-Pinene	0.019	0.601	6.01	Q3
alpha-Humulene	0.019	0.577	5.77	Q3
Linalool	0.019	0.171	1.71	Q3
Fenchol	0.019	0.143	1.43	Q3
Terpineol	0.019	0.125	1.25	Q3
alpha-Bisabolol	0.019	0.125	1.25	Q3
beta-Ocimene	0.019	0.091	0.910	Q3
Camphene	0.026	0.061	0.609	Q3
Nerolidol	0.019	0.046	0.461	Q3
Borneol	0.029	0.038	0.380	Q3
Terpinolene	0.019	0.032	0.318	Q3
beta-Pinene	0.019	0.027	0.268	Q3
trans-B-Farnesene	0.019	0.020	0.202	Q3
Cedrene	0.019	<LOQ	< LOQ	Q3
Cedrol	0.019	<LOQ	< LOQ	Q3
Geranyl Acetate	0.019	<LOQ	< LOQ	Q3
Pulegone	0.019	<LOQ	< LOQ	Q3
Nerol	0.044	<LOQ	< LOQ	Q3
Citronellol	0.044	<LOQ	< LOQ	Q3
Fenchone	0.019	<LOQ	< LOQ	Q3
Sabinene Hydrate	0.019	<LOQ	< LOQ	Q3
alpha-Phelladrene	0.019	<LOQ	< LOQ	Q3
Sabinene	0.019	<LOQ	< LOQ	Q3
p-Cymene	0.019	<LOQ	< LOQ	Q3
gamma-Terpinene	0.019	<LOQ	< LOQ	Q3
Caryophyllene Oxide	0.019	<LOQ	< LOQ	Q3
Eucalyptol	0.019	<LOQ	< LOQ	Q3
Guaiol	0.019	<LOQ	< LOQ	Q3
Geraniol	0.056	<LOQ	< LOQ	Q3
Isopulegol	0.019	<LOQ	< LOQ	Q3
alpha-Terpinene	0.019	<LOQ	< LOQ	Q3
delta-3-Carene	0.019	<LOQ	< LOQ	Q3
Total Terpenes		6.917	69.17	

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Pesticides by LC/MS/MS - Compliance

Pass

Date Analyzed: 07/23/2024 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	0.124	0.5	<LOQ		Pass	Imazalil	0.104	0.2	<LOQ		Pass
Acephate	0.104	0.4	<LOQ		Pass	Imidacloprid	0.104	0.4	<LOQ		Pass
Acetamiprid	0.052	0.2	<LOQ		Pass	Kresoxim-methyl	0.104	0.4	<LOQ		Pass
Aldicarb	0.104	0.4	<LOQ		Pass	Malathion	0.052	0.2	<LOQ		Pass
Azoxystrobin	0.052	0.2	<LOQ		Pass	Metaxyl	0.104	0.2	<LOQ		Pass
Bifenazate	0.052	0.2	<LOQ		Pass	Methiocarb	0.052	0.2	<LOQ	R1	Pass
Bifenthrin	0.052	0.2	<LOQ		Pass	Methomyl	0.104	0.4	<LOQ	V1	Pass
Boscalid	0.104	0.4	<LOQ		Pass	Myclobutanil	0.052	0.2	<LOQ	I1	Pass
Carbaryl	0.052	0.2	<LOQ		Pass	Naled	0.129	0.5	<LOQ		Pass
Carbofuran	0.052	0.2	<LOQ		Pass	Oxamyl	0.259	1.0	<LOQ		Pass
Chlorantraniliprole	0.052	0.2	<LOQ	V1	Pass	Paclobutrazol	0.104	0.4	<LOQ		Pass
Chlorfenapyr	0.518	1.0	<LOQ	I1, R1, V1	Pass	Permethrins	0.052	0.2	<LOQ		Pass
Chlorpyrifos	0.052	0.2	<LOQ		Pass	Phosmet	0.052	0.2	<LOQ	I1	Pass
Clofentezine	0.052	0.2	<LOQ		Pass	Piperonyl butoxide	0.518	2.0	<LOQ		Pass
Cyfluthrin	0.518	1.0	<LOQ		Pass	Prallethrin	0.104	0.2	<LOQ		Pass
Cypermethrin	0.259	1.0	<LOQ		Pass	Propiconazole	0.104	0.4	<LOQ		Pass
Daminozide	0.518	1.0	<LOQ		Pass	Propoxur	0.052	0.2	<LOQ		Pass
Diazinon	0.052	0.2	<LOQ		Pass	Pyrethrins	0.289	1.0	<LOQ		Pass
Dichlorvos	0.052	0.1	<LOQ		Pass	Pyridaben	0.052	0.2	<LOQ		Pass
Dimethoate	0.052	0.2	<LOQ		Pass	Spinosad	0.052	0.2	<LOQ		Pass
Ethoprophos	0.052	0.2	<LOQ		Pass	Spiromesifen	0.052	0.2	<LOQ		Pass
Etofenprox	0.104	0.4	<LOQ		Pass	Spirotetramat	0.052	0.2	<LOQ		Pass
Etoxazole	0.052	0.2	<LOQ		Pass	Spiroxamine	0.104	0.4	<LOQ		Pass
Fenoxycarb	0.052	0.2	<LOQ		Pass	Tebuconazole	0.104	0.4	<LOQ		Pass
Fenpyroximate	0.104	0.4	<LOQ		Pass	Thiacloprid	0.052	0.2	<LOQ		Pass
Fipronil	0.104	0.4	<LOQ	L1	Pass	Thiamethoxam	0.052	0.2	<LOQ		Pass
Fonicamid	0.259	1.0	<LOQ		Pass	Trifloxystrobin	0.052	0.2	<LOQ		Pass
Fludioxonil	0.104	0.4	<LOQ		Pass						
Hexythiazox	0.259	1.0	<LOQ		Pass						

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Metals by ICP-MS - Compliance

Pass

Date Analyzed: 07/22/2024 Analyst Initials: JEK SOP: C4-SOP-CHEM-008

Analyte	LOQ	Limit	Result	Qualifier	Status
	ppm	ppm	ppm		
Arsenic	0.098	0.4	<LOQ		Pass
Cadmium	0.098	0.4	<LOQ		Pass
Lead	0.394	1.0	<LOQ		Pass
Mercury	0.039	0.2	<LOQ		Pass

Mycotoxins by ELISA- Compliance

Pass

Date Analyzed: 07/23/2024 Analyst Initials: DHV SOP: C4-SOP-MICRO-014

Analyte	LOQ	Limit	Result	Qualifier	Status
	ppb	ppb	ppb		
Aflatoxins Total	2.00	20	<LOQ		Pass
Ochratoxin A	4.00	20	<LOQ		Pass

Total Aflatoxins includes Aflatoxins B1, B2, G1, and G2.

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Microbials

Pass

E. coli by 3M Petrifilm- Compliance

Date Analyzed: 07/23/2024 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: 07/23/2024 Analyst Initials: DHV SOP: C4-SOP-MICRO-013

Analyte	Result	Qualifier Status
	in one gram	
<i>Salmonella spp.</i>	Not Detected	Pass
<i>Aspergillus flavus,</i> <i>Aspergillus fumigatus,</i> <i>Aspergillus niger, or</i> <i>Aspergillus terreus</i>	Not Detected	Pass

Salmonella and Aspergillus by Medicinal Genomics.

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Residual Solvents by Headspace GC/MS - Compliance

Pass

Date Analyzed: 07/23/2024 Analyst Initials: HSP SOP: C4-SOP-CHEM-005

Analyte	LOD	LOQ	Limit	Result	Qualifier	Status	Analyte	LOD	LOQ	Limit	Result	Qualifier	Status
	ppm	ppm		ppm				ppm	ppm				
Acetone		105.5	1000	<LOQ		Pass	2,2-Dimethylbutane		33.76		<LOQ		
Acetonitrile		42.19	410	<LOQ		Pass	2-methylpentane/ 2,3-dimethylbutane		67.51		<LOQ		
Benzene		0.844	2	<LOQ		Pass	2-Propanol (IPA)		527.4	5000	<LOQ		Pass
Butanes		527.4	5000	<LOQ		Pass	Isopropyl acetate		527.4	5000	<LOQ		Pass
<i>n-Butane</i>		527.4		<LOQ			Methanol		316.5	3000	<LOQ		Pass
<i>iso-Butane</i>		527.4		<LOQ			Pentanes		527.4	5000	<LOQ		Pass
Chloroform		12.66	60	<LOQ		Pass	<i>n-Pentane</i>		527.4		<LOQ		V1
Dichloromethane		63.29	600	<LOQ		Pass	<i>iso-pentane</i>		527.4		<LOQ		V1
Ethanol		527.4	5000	<LOQ		Pass	<i>neo-Pentane</i>		527.4		<LOQ		
Ethyl acetate		527.4	5000	<LOQ		Pass	Toluene		97.05	890	<LOQ		Pass
Diethyl Ether		527.4	5000	<LOQ		Pass	Xylenes		232.1	2170	<LOQ		Pass
n-Heptane		527.4	5000	<LOQ		Pass	<i>m/p-Xylene</i>		464.1		<LOQ		
Hexanes		33.76	290	<LOQ		Pass	<i>o-Xylene</i>		232.1		<LOQ		
<i>n-Hexane</i>		33.76		<LOQ			Ethyl benzene		232.1		<LOQ		
3-Methylpentane		33.76		<LOQ									

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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.
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.
R1	The RPD for the LCS/LCSD pair exceeded 20% but recoveries were within control limits.
V1	The recovery from initial or continuing calibration verification standards is greater than the acceptance limits, but the sample's target analytes were not detected above the maximum allowable concentrations in Table 3.1 for the analytes in the sample.
< LOQ	Results below the Limit of Quantification.
ND	Not Detected
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

CASE NARRATIVE

ARIZONA DEPARTMENT OF HEALTH SERVICES' WARNING:

Marijuana use can be addictive and can impair an individual's ability to drive a motor vehicle or operate heavy machinery. Marijuana smoke contains carcinogens and can lead to an increased risk for cancer, tachycardia, hypertension, heart attack, and lung infection. Marijuana use may affect the health of a pregnant woman and the unborn child. KEEP OUT OF REACH OF CHILDREN. Using Marijuana during pregnancy could cause birth defects or other health issues to your unborn child.