Certificate of Analysis

Petersen's Consulting Processing

1905 N 13 St
Mcalester, OK 74501
petconsupplies@yahoo.com
(510) 290-3599
Lic. #PAAA-LB44-1P3Q

Sample: 2406GNL2021.10902

Strain: Panama Sugar
Batch#: 1P3Q-C-24-039; Batch Size: g
Sample Collected: 06/14/2024; Sample Received: 06/17/2024; Report Created: 06/24/2024
Sampling: ; Environment:

Panama Sugar

Concentrates & Extracts, Sugar, Butane
Harvest Process Lot: ; METRC Batch: 1A40E01000316A5000000159; METRC Sample: 1A40E01000316A5000000160

Safety

Pass Pesticides	**Pass** Microbials	**Pass** Mycotoxins
Pass Solvents	**Pass** Metals	**Pass** Foreign Matter

Potency (HPLC; GL-MSOP-01)

Date Tested: 06/19/2024

80.02%	ND	Not Tested
Total THC	Total CBD	NT Moisture

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.01	75.45	754.5
Δ9-THC	0.01	13.85	138.5
Δ8-THC	0.00	ND	ND
THCV	0.00	ND	ND
CBDa	0.01	ND	ND
CBD	0.01	ND	ND
CBDV	0.00	ND	ND
CBN	0.01	ND	ND
CBGa	0.00	1.12	11.2
CBG	0.00	ND	ND
CBC	0.00	ND	ND
Total		**81.00**	**809.99**

Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; Results are being calculated on an as-received basis.Potency method: (HPLC; GL-MSOP-01); Moisture Content method (GL-MSOP-09; Water Activity method (GL-MSOP-10); Foreign Material method (Microscope; GL-MSOP-06)

Terpenes (GC-MS; GL-MSOP-03)

Date Tested: 06/18/2024

Cinnamon	Lavender	Orange

Analyte	LOQ	Mass	Mass
	PPM	PPM	%
β-Caryophyllene	200.00	13230.32	1.32
Linalool	200.00	8248.09	0.82
Limonene	200.00	8165.97	0.82
α-Humulene	200.00	4562.45	0.46
Nerolidol	400.00	2531.43	0.25
β-Myrcene	200.00	1902.96	0.19
α-Bisabolol	200.00	1735.60	0.17
α-Pinene	200.00	1459.63	0.15
β-Pinene	200.00	1458.37	0.15
Caryophyllene Oxide	200.00	959.41	0.10
Camphene	200.00	958.55	0.10
α-Terpinene	200.00	<200.00	<0.02
cis-Ocimene	2000.00	<2000.00	<0.20
δ-3-Carene	200.00	<200.00	<0.02
Eucalyptol	200.00	<200.00	<0.02
γ-Terpinene	200.00	<200.00	<0.02
Geraniol	2000.00	<2000.00	<0.20
Guaiol	200.00	<200.00	<0.02
Isopulegol	200.00	<200.00	<0.02
Phytol	200.00	<200.00	<0.02
p-Cymene	200.00	<200.00	<0.02
Terpinolene	200.00	<200.00	<0.02
trans-Ocimene	2000.00	<2000.00	<0.20
Total		**45212.79**	**4.52**

Phytol=NT
Notes:

610 Dewey Ave,
Poteau, OK
(918) 564-2760
https://greenleaf-labs.com/
Lic# LAAA-MP4O-T1EE

PJLA Testing
Accreditation No.: 108195

Jennifer Hobbs
Laboratory Director

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Pesticides (LC-MS/MS; GL-MSOP-04) — Pass

Date Tested: 06/18/2024

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Abamectin	0.100	0.500	ND	Pass
Avermectin-B1a	0.100		ND	Tested
Avermectin-B1b	0.041		ND	Tested
Azoxystrobin	0.100	0.200	ND	Pass
Bifenazate	0.093	0.200	ND	Pass
cis-Permethrin	0.058		ND	Tested
Etoxazole	0.100	0.200	ND	Pass
Imazalil	0.100	0.200	ND	Pass
Imidacloprid	0.100	0.400	ND	Pass
Malathion	0.100	0.200	ND	Pass
Myclobutanil	0.100	0.200	ND	Pass
Permethrins	0.004	0.200	ND	Pass
Spinosad	0.100	0.200	ND	Pass
Spinosyn A	0.100		ND	Tested
Spinosyn D	0.100		ND	Tested
Spiromesifen	0.100	0.200	ND	Pass
Spirotetramat	0.100	0.200	ND	Pass
Tebuconazole	0.100	0.400	ND	Pass
Trans Permethrin	0.100		ND	Tested

Microbiology (qPCR; GL-MSOP-08) — Pass

Date Tested: 06/21/2024

Analyte	Limit	Mass	Status
	CFU/g	CFU/g	
Aspergillus flavus	1	ND	Pass
Aspergillus fumigatus	1	ND	Pass
Aspergillus niger	1	ND	Pass
Aspergillus terreus	1	ND	Pass
Salmonella	1	ND	Pass
Shiga Toxin E. Coli	1	ND	Pass
Yeast & Mold	10000	ND	Pass

Microbiology method (qPCR: GL-MSOP-11 and GL-MSOP-13) Sample Weight(g): 1.0665

Solvents (GC-MS; GL-MSOP-02) — Pass

Date Tested: 06/18/2024

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Acetone	500.000	1000.000	ND	Pass
Benzene	1.000	2.000	ND	Pass
Butane	500.000		ND	Tested
Butanes	500.000	1000.000	ND	Pass
Ethanol	2500.000	5000.000	ND	Pass
Ethyl-Acetate	500.000	1000.000	ND	Pass
Heptanes	500.000	1000.000	ND	Pass
Isobutane	500.000		ND	Tested
Isopropanol	500.000	1000.000	ND	Pass
m+p Xylene	100.000		ND	Tested
Methanol	300.000	600.000	<LOQ	Pass
n-Hexane	30.000	60.000	ND	Pass
o-Xylene	100.000		ND	Tested
Pentane	500.000	1000.000	ND	Pass
Propane	500.000	1000.000	ND	Pass
Toluene	90.000	180.000	ND	Pass
Xylenes	215.000	430.000	ND	Pass

~~Solvents method (GC-MS; GL-MSOP-02)~~

Heavy Metals (ICP-MS; GL-MSOP-07) — Pass

Date Tested: 06/17/2024

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	20	200	ND	Pass
Cadmium	20	200	ND	Pass
Lead	20	500	ND	Pass
Mercury	20	100	ND	Pass

Heavy Metals method (ICP-MS; GL-MSOP-07)

Mycotoxins (LC-MS/MS; GL-MSOP-05) — Pass

Date Tested: 06/18/2024

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Aflatoxins	8	20	ND	Pass
B1	2		ND	Tested
B2	2		ND	Tested
G1	2		ND	Tested
G2	2		ND	Tested
Ochratoxin A	2	20	ND	Pass

Mycotoxins method (LC-MS/MS; GL-MSOP-05)

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