

CERTIFICATE OF ANALYSIS

Client OCS Green Leaves (LLC Perpetual Brands)
LIC#RMD1706-p
12 Latti Farm Road
Millbury, MA 01527

Sample Information

Sample ID	24122703-02	Sample Name	PERPETUAL - GG4 - Distillate Vape - 510 Cart - 1g
Batch Number	12.26.24 - 510 - GG4	METRC Tag	1A40A0100008D06000016461
Description	Vape Product	METRC Source	1A40A0100008D06000016454
Date Received	12/27/2024	Testing Date(s)	12/30/2024 - 12/31/2024
COA Expiration	12/31/2025		



Summary

Test	Date Tested	Result
Cannabinoids	12/31/2024	94.709 %
Microbials	12/30/2024	Pass
Pathogenic Bacteria	12/30/2024	Pass
Heavy Metals	12/30/2024	Pass
Residual Solvents	12/30/2024	Pass
Mycotoxins	12/31/2024	Pass
Vitamin E Acetate	12/31/2024	Pass
Terpenes	12/31/2024	0.292 %

91.032 %

Total THC

0.471 %

Total CBD

94.709 %

Total Cannabinoids

Megan Dobro, PhD
CEO, SafeTiva Labs



The results in this report relate only to the tested items and apply to the sample as received. All laboratory activities performed at SafeTiva Labs in Westfield, MA. Measurement uncertainty is not factored in to decision rules.

TEST RESULTS

CANNABINOID PROFILE

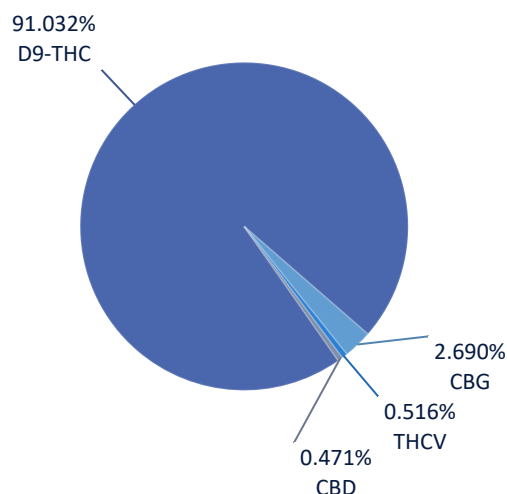
TM-1 Quantitation of Cannabinoids

Date(s) of Testing: 12/31/2024 - 12/31/2024

Analysts: CR

The sample was analyzed using Liquid Chromatography.

Analyte	LOQ	Result	Result
	%	%	mg/g
Total Cannabinoids ¹	N/A	94.709	947.09
Total THC ²	N/A	91.032	910.32
Total CBD ³	N/A	0.471	4.71
D9-THC	0.020	91.032	910.32
CBG	0.020	2.690	26.90
THCV	0.020	0.516	5.16
CBD	0.020	0.471	4.71
CBDVA	0.020	ND	ND
CBDV	0.020	ND	ND
CBDA	0.020	ND	ND
CBGA	0.020	ND	ND
THC-A	0.020	ND	ND
CBN	0.020	ND	ND
CBNA	0.020	ND	ND
D8-THC	0.020	ND	ND
CBL	0.020	ND	ND
CBC	0.020	ND	ND
THCVA	0.020	ND	ND
CBCA	0.020	ND	ND



1 Total Cannabinoids is the sum of all cannabinoids (TAC) listed above.

2 Total THC is determined using: $d9THC + (THCA \times 0.877) = \text{Total THC}$.

3 Total CBD is determined using: $CBD + (CBDA \times 0.877) = \text{Total CBD}$.

TEST RESULTS

MICROBIAL SCREEN

TM-8 Microbial Contaminants

Date(s) of Testing: 12/30/2024 - 12/30/2024

Analysts: RN

The sample was analyzed using PCR/microarray analysis and petrifilm plating.

Organism	Result	Units	State Limits	Pass/Fail
Total Aerobic Bacteria	ND	CFU/g	10,000	Pass
Total Yeast and Mold	ND	CFU/g	1,000	Pass
Total Coliforms	ND	CFU/g	100	Pass
Bile-Tolerant Gram Neg Bacteria	ND	CFU/g	100	Pass

Organism	Result	State Limit	Pass/Fail
Pathogenic E coli	Not Detected	Not detected in 1 g	Pass
Salmonella spp	Not Detected	Not detected in 1 g	Pass

Disposition of results is based on action limits set forth in Protocol for the Sampling and Analysis of Finished Marijuana Products and Marijuana Products for Marijuana Establishments, Medical Marijuana Treatment Centers, and Colocated Marijuana Operations, Exhibit 6. Analysis Requirements for Microbiological Contaminants and Mycotoxins in Medical Marijuana Products.

TEST RESULTS

HEAVY METALS

TM-2 Quantitation of Metals

Date(s) of Testing: 12/30/2024 - 12/30/2024

Analysts: SG

The sample was analyzed using ICP/MS.

Analyte	LOQ	Result	State Limit	Pass/Fail
	ppb	ppb	ppb	
Arsenic	150.0	ND	200	Pass
Cadmium	150.0	ND	200	Pass
Mercury	50.00	ND	100	Pass
Lead	200.0	ND	500	Pass

Disposition of results is based on action limits set forth in Protocol for the Sampling and Analysis of Finished Marijuana Products and Marijuana Products for Marijuana Establishments, Medical Marijuana Treatment Centers, and Colocated Marijuana Operations, Exhibit 4. Analysis Requirements and Recommended Limits for Metals in Finished Medical Marijuana Products.

RESIDUAL SOLVENTS

TM-3 Quantitation of Residual Solvents

Date(s) of Testing: 12/30/2024 - 12/30/2024

Analysts: CR

The sample was analyzed using head space analysis, gas chromatography.

Analyte	LOQ	Result	State Limit	Pass/Fail
	ppm	ppm	ppm	
Ethanol	1000	ND	5,000	Pass
Acetone	100.00	ND	5,000	Pass
Propane	5.00	ND	12	Pass
n-Butane	5.00	ND	12	Pass
Isobutane	5.00	ND	12	Pass
n-Hexane	5.00	ND	290	Pass
n-Heptane	100.00	ND	5,000	Pass
2-propanol	100.00	ND	5,000	Pass

Disposition of results is based on action limits set forth in Protocol for the Sampling and Analysis of Finished Marijuana Products and Marijuana Products for Marijuana Establishments, Medical Marijuana Treatment Centers, and Colocated Marijuana Operations, Exhibit 7a. Concentration Limits for Residual Solvents and Exhibit 7b. Concentration limits for Residual Levels of Propane, n-Butane, or Iso-Butane.

TEST RESULTS

MYCOTOXINS

TM-4 Quantitation of Pesticides and Mycotoxins

Date(s) of Testing: 12/31/2024 - 12/31/2024

Analysts: CR

The sample was analyzed using Liquid Chromatography.

Analyte	LOQ	Result	State Limit	Pass/Fail
	ppb	ppb	ppb	
Aflatoxin B1	2.77	ND	20	Pass
Aflatoxin B2	2.33	ND	20	Pass
Aflatoxin G1	1.60	ND	20	Pass
Aflatoxin G2	1.23	ND	20	Pass
Ochratoxin A	1.26	ND	20	Pass

Disposition of results is based on action limits set forth in Protocol for the Sampling and Analysis of Finished Marijuana Products and Marijuana Products for Marijuana Establishments, Medical Marijuana Treatment Centers, and Colocated Marijuana Operations, Exhibit 5 (Pesticides) and Exhibit 6 (Microbial).



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Report Number: 24122703-02

Report Date: Jan 2, 2025

TEST RESULTS

VITAMIN E ACETATE

TM-6 Quantitation of Adulterants

Date(s) of Testing: 12/31/2024 - 12/31/2024

Analysts: CR

The sample was analyzed using Liquid Chromatography.

Analyte	LOQ	Result	State Limit	Pass/Fail
	%	%	%	
Vitamin E Acetate	0.10	ND	0.10	Pass

TEST RESULTS

TERPENES

TM-5 Quantitation of Terpenes

Date(s) of Testing: 12/31/2024 - 12/31/2024

Analysts: CR

The sample was analyzed using Gas Chromatography.

Analyte	LOQ	Result
	%	%
Total Terpenes ²	0.010	0.292
d-Limonene	0.010	0.166
b-Myrcene	0.010	0.071
b-Caryophyllene	0.010	0.055
Trans-Nerolidol	0.010	ND
Guaiol	0.010	ND
Geraniol	0.010	ND
Terpinolene	0.010	ND
y-Terpinene	0.010	ND
Eucalyptol	0.010	ND
b-Pinene	0.010	ND
b-Ocimene	0.010	ND
cis-Ocimene	0.010	ND
Cis-Nerolidol	0.010	ND
Caryophyllene Oxide	0.010	ND
p-Cymene	0.010	ND
Camphene	0.010	ND
a-Terpinene	0.010	ND
Linalool	0.010	ND
Isopulegol	0.010	ND
a-Pinene	0.010	ND
a-Humulene	0.010	ND
a-Bisabolol	0.010	ND
3-Carene	0.010	ND

Flower matrices have been moisture corrected
2 Total Terpenes is the sum of terpenes listed above.