



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample: DA30504005-006
Harvest/Lot ID: 0055 7152 2777 5064
Batch#: 1883 7099 6887 6992
Cultivation Facility: Apopka
Processing Facility: Apopka
Source Facility: Apopka
Seed to Sale# 0447 2465 7161 1418
Batch Date: 05/01/23
Sample Size Received: 16 gram
Total Amount: 549 units
Retail Product Size: 1 gram
Ordered: 05/03/23
Sampled: 05/03/23
Completed: 05/06/23
Sampling Method: SOP.T.20.010

May 06, 2023 | Sanctuary Medicinals

251 East Keene Rd
Apopka, FL, 32703, US



PASSED

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PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
PASSED



Moisture
NOT TESTED



Terpenes
TESTED

MISC.



Cannabinoid

PASSED



Total THC

89.875%

Total THC/Container : 898.75 mg



Total CBD

0.219%

Total CBD/Container : 2.19 mg



Total Cannabinoids

94.526%

Total Cannabinoids/Container : 945.26 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	89.875	ND	0.219	ND	0.264	3.054	ND	0.875	0.239	ND	ND
mg/unit	898.75	ND	2.19	ND	2.64	30.54	ND	8.75	2.39	ND	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	%	%	%	%	%	%	%	%	%	%	%

Analyzed by:
1665, 585, 1440

Weight:
0.0951g

Extraction date:
05/04/23 12:07:44

Extracted by:
3112,1665

Analysis Method : SOP.T.40.031, SOP.T.30.031
Analytical Batch : DA059709POT
Instrument Used : DA-LC-003
Analyzed Date : 05/04/23 12:45:32

Reviewed On : 05/05/23 11:37:55
Batch Date : 05/04/23 10:05:38

Dilution : 400
Reagent : 050123.R15; 032123.11; 050123.R12
Consumables : 280670723; CE0123; 61633-125C6-125E; R1KB14270
Pipette : DA-079; DA-108; DA-078

Full Spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection in accordance with F.S. Rule 64ER20-39.

This Kaycha Labs Certification shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. The results relate only to the material or product analyzed. ND=Not Detected, ppm=Parts Per Million, ppb=Parts Per Billion, RSD=Relative Standard Deviation. Limit of Detection (LOD) and Limit Of Quantitation (LOQ) are terms used to describe the smallest concentration that can be detected and reliably measured by an analytical procedure, respectively. Action Levels are State determined thresholds based on F.S. Rule 64ER20-39 and F.S. Rule 5K-4. The Measurement of Uncertainty (MU) error is available from the lab upon request. The "Decision Rule" for pass/fail does not include the MU. Any calculated totals may contain rounding errors.

Jorge Segredo
Lab Director

State License # CMTL-0002
ISO 17025 Accreditation # ISO/IEC
17025:2017 Accreditation PJLA-
Testing 97164



Signature
05/06/23



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 251 East Keene Rd
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 Email: nsatmary@sanctuarymed.com

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Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
TOTAL TERPENES	0.007	36.73	3.673		FARNESENE		0.33	0.033	
TOTAL TERPINEOL	0.007	0.21	0.021		ALPHA-HUMULENE	0.007	2.23	0.223	
ALPHA-BISABOLOL	0.007	<0.2	<0.02		VALENCENE	0.007	ND	ND	
ALPHA-PINENE	0.007	1.55	0.155		CIS-NEROLIDOL	0.007	ND	ND	
CAMPHENE	0.007	<0.2	<0.02		TRANS-NEROLIDOL	0.007	<0.2	<0.02	
SABINENE	0.007	ND	ND		CARYOPHYLLENE OXIDE	0.007	0.23	0.023	
BETA-PINENE	0.007	1.05	0.105		GUAIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	7.71	0.771		CEDROL	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	0.51	0.051		Analyzed by: 2076, 585, 1440Weight: 0.8407gExtraction date: 05/04/23 14:04:27Extracted by: 2076				
3-CARENE	0.007	<0.2	<0.02		Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FLAnalytical Batch : DA059706TERReviewed On : 05/06/23 13:42:33				
ALPHA-TERPINENE	0.007	<0.2	<0.02		Instrument Used : DA-GCMS-004Batch Date : 05/04/23 09:59:57				
LIMONENE	0.007	7.33	0.733		Analyzed Date : 05/04/23 16:51:25				
EUCALYPTOL	0.007	<0.2	<0.02		Dilution : 10				
OCIMENE	0.007	2.98	0.298		Reagent : 121622.35				
GAMMA-TERPINENE	0.007	<0.2	<0.02		Consumables : 210414634; MKCN9995; CE0123; R1KB14270				
SABINENE HYDRATE	0.007	ND	ND		Pipette : N/A				
TERPINOLENE	0.007	3.72	0.372		Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.				
FENCHONE	0.007	ND	ND						
LINALOOL	0.007	1.52	0.152						
FENCHYL ALCOHOL	0.007	0.45	0.045						
ISOPULEGOL	0.007	ND	ND						
CAMPHOR	0.013	ND	ND						
ISOBORNEOL	0.007	<0.2	<0.02						
BORNEOL	0.013	ND	ND						
HEXAHYDROTHYMOL	0.007	ND	ND						
NEROL	0.007	ND	ND						
PULEGONE	0.007	ND	ND						
GERANIOL	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
ALPHA-CEDRENE	0.007	ND	ND						
BETA-CARYOPHYLLENE	0.007	6.91	0.691						
Total (%)				3.673					



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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	ppm	5	PASS	ND	OXAMYL	0.01	ppm	0.5	PASS	ND
TOTAL DIMETHOMORPH	0.01	ppm	0.2	PASS	ND	PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND
TOTAL PERMETHRIN	0.01	ppm	0.1	PASS	ND	PHOSMET	0.01	ppm	0.1	PASS	ND
TOTAL PYRETHRINS	0.01	ppm	0.5	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
TOTAL SPINETORAM	0.01	ppm	0.2	PASS	ND	PRALLETHRIN	0.01	ppm	0.1	PASS	ND
TOTAL SPINOSAD	0.01	ppm	0.1	PASS	ND	PROPICONAZOLE	0.01	ppm	0.1	PASS	ND
ABAMECTIN B1A	0.01	ppm	0.1	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	0.1	PASS	ND	PYRIDABEN	0.01	ppm	0.2	PASS	ND
ACEQUINOCYL	0.01	ppm	0.1	PASS	ND	SPIROMESIFEN	0.01	ppm	0.1	PASS	ND
ACETAMIPRID	0.01	ppm	0.1	PASS	ND	SPIROTETRAMAT	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	0.1	PASS	ND
BIFENAZATE	0.01	ppm	0.1	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.1	PASS	ND	THIAMETHOXAM	0.01	ppm	0.5	PASS	ND
BOSCALID	0.01	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	1	PASS	ND	CAPTAN *	0.07	PPM	0.7	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	1	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
CLOFENTHIZINE	0.01	ppm	0.2	PASS	ND	CYFLUTHRIN *	0.05	PPM	0.5	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	0.5	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZINON	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
DICHLORVOS	0.01	ppm	0.1	PASS	ND	3379, 585, 1440	0.2065g	05/04/23 15:03:55	450,585		
DIMETHOATE	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.101.FL (Gainesville),					
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	SOP.T.40.102.FL (Davie)					
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Instrumental Batch : DA059718PES			Reviewed On : 05/05/23 11:27:48		
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Instrument Used : DA-LCMS-003 (PES)			Batch Date : 05/04/23 10:38:36		
FENHEXAMID	0.01	ppm	0.1	PASS	ND	Analyzed Date : 05/04/23 14:32:55					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Dilution : 250					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Reagent : 050123.R24; 050323.R03; 050223.R25; 050223.R01; 042623.R45; 050323.R01; 040521.11					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Consumables : 6697075-02					
FLONICAMID	0.01	ppm	0.1	PASS	ND	Pipette : DA-093; DA-094; DA-219					
FLUDIOXONIL	0.01	ppm	0.1	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
IMAZALIL	0.01	ppm	0.1	PASS	ND	450, 585, 1440	0.2065g	05/04/23 15:03:55	450,585		
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND	Analysis Method : SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL					
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND	Analytical Batch : DA059720VOL			Reviewed On : 05/05/23 11:25:43		
MALATHION	0.01	ppm	0.2	PASS	ND	Instrument Used : DA-GCMS-001			Batch Date : 05/04/23 10:41:33		
METALAXYL	0.01	ppm	0.1	PASS	ND	Analyzed Date : 05/04/23 15:38:42					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Dilution : 250					
METHOMYL	0.01	ppm	0.1	PASS	ND	Reagent : 050223.R25; 040521.11; 042723.R38; 050223.R19					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Consumables : 6697075-02; 14725401					
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND	Pipette : DA-080; DA-146; DA-218					
NALED	0.01	ppm	0.25	PASS	ND	Testing for agricultural agents is performed utilizing Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					





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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

 Analyzed by:
 850, 585, 1440

 Weight:
 0.0234g

 Extraction date:
 05/05/23 11:26:06

 Extracted by:
 850,585

 Analysis Method : SOP.T.40.041.FL
 Analytical Batch : DA059752SOL
 Instrument Used : DA-GCMS-002
 Analyzed Date : 05/05/23 11:32:34

 Reviewed On : 05/05/23 14:44:23
 Batch Date : 05/04/23 15:20:33

 Dilution : 1
 Reagent : 030420.09
 Consumables : R2017.167; G201.167
 Pipette : DA-309 25 uL Syringe 35028

Residual solvents analysis is performed utilizing Gas Chromatography Mass Spectrometry in accordance with with F.S. Rule 64ER20-39.



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	Microbial	PASSED		Mycotoxins	PASSED
Analyte			Analyte		
LOD			LOD		
Units			Units		
Result			Result		
Pass / Fail			Pass / Fail		
Action Level			Action Level		
ASPERGILLUS TERREUS			AFLATOXIN B2		
ASPERGILLUS NIGER			AFLATOXIN B1		
ASPERGILLUS FUMIGATUS			OCHRATOXIN A		
ASPERGILLUS FLAVUS			AFLATOXIN G1		
SALMONELLA SPECIFIC GENE			AFLATOXIN G2		
ECOLI SHIGELLA					
TOTAL YEAST AND MOLD					
10			0.002		
CFU/g			ppm		
<10			ND		
PASS			PASS		
100000			0.02		
			</		



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**Filth/Foreign
Material**
PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	0.1	%	ND	PASS	1

 Analyzed by:
1879, 1440

 Weight:
NA

 Extraction date:
N/A

 Extracted by:
N/A

Analysis Method : SOP.T.40.090

Analytical Batch : DA059749FIL

Instrument Used : Filth/Foreign Material Microscope

Analyzed Date : 05/04/23 15:45:50

Reviewed On : 05/04/23 15:53:19

Batch Date : 05/04/23 12:47:27

Dilution : N/A

Reagent : N/A

Consumables : N/A

Pipette : N/A

Filth and foreign material inspection is performed by visual inspection utilizing naked eye and microscope technologies in accordance with F.S. Rule 64ER20-39.


Water Activity
PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Water Activity	0.01	aw	0.487	PASS	0.85

 Analyzed by:
2926, 585, 1440

 Weight:
0.703g

 Extraction date:
05/05/23 08:03:22

 Extracted by:
2926

Analysis Method : SOP.T.40.019

Analytical Batch : DA059739WAT

Instrument Used : DA-028 Rotronic Hygropalm

Analyzed Date : 05/05/23 08:01:34

Reviewed On : 05/05/23 11:38:53

Batch Date : 05/04/23 11:29:33

Dilution : N/A

Reagent : 100522.09

Consumables : PS-14

Pipette : N/A

Water Activity is performed using a Rotronic HygroPalm HP 23-AW in accordance with F.S. Rule 64ER20-39.