



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample: DA30504005-007
Harvest/Lot ID: 6851 2662 1121 5614
Batch#: 4946 0980 0831 3336
Cultivation Facility: Apopka
Processing Facility: Apopka
Source Facility: Apopka
Seed to Sale# 5415 1807 5650 2107
Batch Date: 05/01/23
Sample Size Received: 16 gram
Total Amount: 545 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

Pages 1 of 6

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

90.982%

Total THC/Container : 909.82 mg



Total CBD

0.265%

Total CBD/Container : 2.65 mg



Total Cannabinoids

95.732%

Total Cannabinoids/Container : 957.32 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	90.982	ND	0.265	ND	0.313	2.964	ND	0.845	0.363	ND	ND
mg/unit	909.82	ND	2.65	ND	3.13	29.64	ND	8.45	3.63	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:
0.0967g

Extraction date:
05/04/23 12:07:45

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 11:38:01
 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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Sanctuary Medicinals

251 East Keene Rd
Apopka, FL, 32703, US
Telephone: (800) 666-8621
Email: nsatmary@sanctuarymed.com

Sample : DA30504005-007

Harvest/Lot ID: 6851 2662 1121 5614

Batch# : 4946 0980 0831
3336

Sample Size Received : 16 gram

Completed : 05/06/23

Ordered : 05/03/23

Total Amount : 545 units

Completed : 05/06/23 Expires: 05/06/24

Sample Method : SOP.T.20.010

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Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)			
TOTAL TERPENES	0.007	35.36	3.536		FARNESENE		0.34	0.034				
TOTAL TERPINEOL	0.007	0.2	0.02		ALPHA-HUMULENE	0.007	2.08	0.208				
ALPHA-BISABOLOL	0.007	<0.2	<0.02		VALENCENE	0.007	ND	ND				
ALPHA-PINENE	0.007	1.52	0.152		CIS-NEROLIDOL	0.007	ND	ND				
CAMPHENE	0.007	<0.2	<0.02		TRANS-NEROLIDOL	0.007	ND	ND				
SABINENE	0.007	ND	ND		CARYOPHYLLENE OXIDE	0.007	0.2	0.02				
BETA-PINENE	0.007	1.02	0.102		GUAIOL	0.007	<0.2	<0.02				
BETA-MYRCENE	0.007	7.55	0.755		CEDROL	0.007	ND	ND				
ALPHA-PHELLANDRENE	0.007	0.48	0.048		Analyzed by: 2076, 585, 1440				Extraction date: 05/04/23 14:04:28	Extracted by: 2076		
3-CARENE	0.007	<0.2	<0.02		Weight: 1.0662g							
ALPHA-TERPINENE	0.007	<0.2	<0.02		Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL							
LIMONENE	0.007	7.07	0.707		Analytical Batch : DA059706TER				Reviewed On : 05/06/23 13:42:37			
EUCALYPTOL	0.007	<0.2	<0.02		Instrument Used : DA-GCMS-004				Batch Date : 05/04/23 09:59:57			
OCIMENE	0.007	2.86	0.286		Analyzed Date : 05/04/23 16:51:25							
GAMMA-TERPINENE	0.007	<0.2	<0.02		Dilution : 10							
SABINENE HYDRATE	0.007	ND	ND		Reagent : 121622.35							
TERPINOLENE	0.007	3.59	0.359		Consumables : 210414634; MKCN9995; CE0123; R1KB14270							
FENCHONE	0.007	<0.2	<0.02		Pipette : N/A							
LINALOOL	0.007	1.48	0.148		Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.							
FENCHYL ALCOHOL	0.007	0.43	0.043									
ISOPULEGOL	0.007	ND	ND									
CAMPHOR	0.013	ND	ND									
ISOBORNEOL	0.007	ND	ND									
BORNEOL	0.013	ND	ND									
HEXAHYDROTHYMOL	0.007	<0.2	<0.02									
NEROL	0.007	ND	ND									
PULEGONE	0.007	ND	ND									
GERANIOL	0.007	<0.2	<0.02									
GERANYL ACETATE	0.007	ND	ND									
ALPHA-CEDRENE	0.007	ND	ND									
BETA-CARYOPHYLLENE	0.007	6.54	0.654									
Total (%)				3.536								



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Sample : DA30504005-007

Harvest/Lot ID: 6851 2662 1121 5614

 Batch# : 4946 0980 0831
 3336

Sampled : 05/03/23

Ordered : 05/03/23

Sample Size Received : 16 gram

Total Amount : 545 units

Completed : 05/06/23 Expires: 05/06/24

Sample Method : SOP.T.20.010

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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
CLOFENTEZINE	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	0.2355g	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	Analytical Batch : DA059718PES			Reviewed On : 05/05/23 11:27:51		
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	0.2355g	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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Sample : DA30504005-007

Harvest/Lot ID: 6851 2662 1121 5614

 Batch# : 4946 0980 0831
 3336

Sampled : 05/03/23

Ordered : 05/03/23

Sample Size Received : 16 gram

Total Amount : 545 units

Completed : 05/06/23 Expires: 05/06/24

Sample Method : SOP.T.20.010

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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 14:44:25
 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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Sample : DA30504005-007

Harvest/Lot ID: 6851 2662 1121 5614

 Batch# : 4946 0980 0831
 3336

Sampled : 05/03/23

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Total Amount : 545 units

Completed : 05/06/23 Expires: 05/06/24

Sample Method : SOP.T.20.010

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	Microbial	PASSED		Mycotoxins	PASSED													
Analyte			LOD	Units	Result	Pass / Fail	Action Level	Analyte			LOD	Units	Result	Pass / Fail	Action Level			
ASPERGILLUS TERREUS					Not Present	PASS		AFLATOXIN B2			0.002	ppm	ND	PASS	0.02			
ASPERGILLUS NIGER					Not Present	PASS		AFLATOXIN B1			0.002	ppm	ND	PASS	0.02			
ASPERGILLUS FUMIGATUS					Not Present	PASS		OCHRATOXIN A			0.002	ppm	ND	PASS	0.02			
ASPERGILLUS FLAVUS					Not Present	PASS		AFLATOXIN G1			0.002	ppm	ND	PASS	0.02			
SALMONELLA SPECIFIC GENE					Not Present	PASS		AFLATOXIN G2			0.002	ppm	ND	PASS	0.02			
ECOLI SHIGELLA					Not Present	PASS		Analyzed by: 3379, 585, 1440			Weight: 0.2355g	Extraction date: 05/04/23 15:03:55		Extracted by: 450,585				
TOTAL YEAST AND MOLD			10	CFU/g	<10	PASS	100000	Analysis Method : SOP.T.30.101.FL (Gainesville), SOP.T.40.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.102.FL (Davie)			Analytical Batch : DA059719MYC					Reviewed On : 05/05/23 11:24:32		
Analyzed by: 3336, 3621, 585, 1440			Weight: 0.876g	Extraction date: 05/04/23 12:29:53		Extracted by: 3390,3336		Instrument Used : N/A			Batch Date : 05/04/23 10:41:31							
Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL			Analytical Batch : DA059694MIC			Reviewed On : 05/05/23 11:51:27			Batch Date : 05/04/23 08:18:36									
Instrument Used : PathogenDx Scanner DA-111,Applied Biosystems Thermocycler DA-013,fisherbrand Isotemp Heat Block DA-020,fisherbrand Isotemp Heat Block DA-049,Fisher Scientific Isotemp Heat Block DA-021			Analyzed Date : 05/04/23 12:27:45															
Dilution : N/A			Reagent : 042623.R85; 092122.06; 021623.11			Consumables : 7563002022			Pipette : N/A									
Analyzed by: 3336, 3621, 585, 1440			Weight: 0.876g	Extraction date: 05/04/23 12:29:53		Extracted by: 3390,3336		Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL			Analytical Batch : DA059746TYM					Reviewed On : 05/06/23 13:42:39		
Instrument Used : Incubator (25-27C) DA-097			Analyzed Date : 05/04/23 12:31:29			Batch Date : 05/04/23 12:30:02												
Dilution : 10			Reagent : 021623.11			Consumables : 007109			Pipette : N/A									
Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.																		



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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
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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 15:53:17

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	0.432	PASS	0.85

Analyzed by: 2926, 585, 1440	Weight: 0.513g	Extraction date: 05/05/23 08:03:22	Extracted by: 2926
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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 11:38:03

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.