














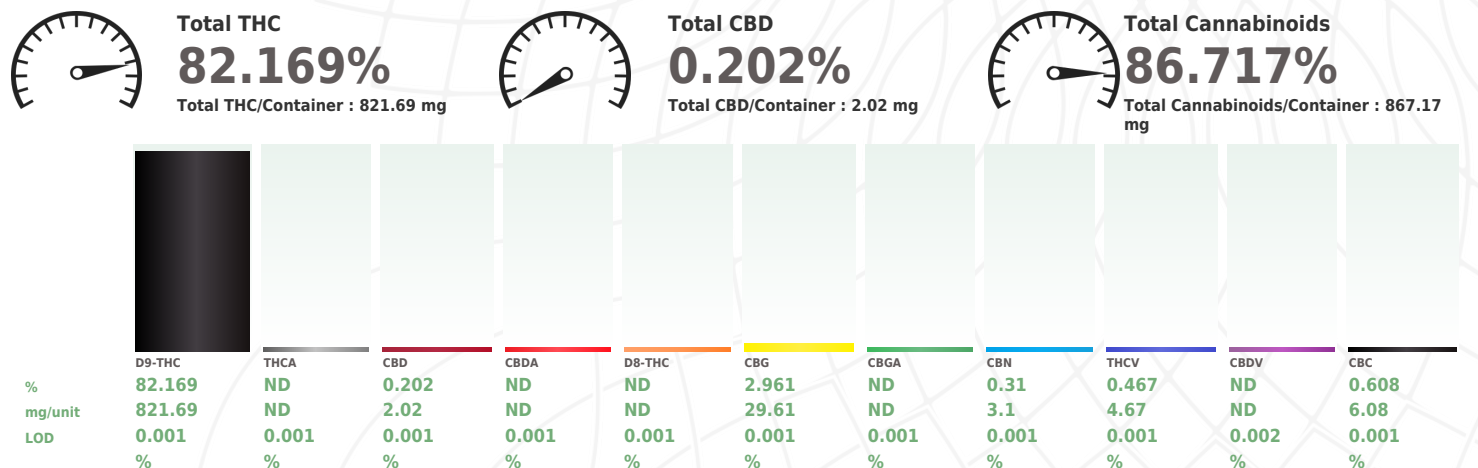
Certificate of Analysis

Sample:GA20701001-016
Harvest/Lot ID: DPFV109-2206-11221
Batch#: DF-MBER-2206-10825
Cultivation Facility: Gainesville Cultivation
Processing Facility : Gainesville Processing
Seed to Sale# DPFV109-2206-11221
Batch Date: 06/27/22
Sample Size Received: 16 gram
Total Batch Size: 1864 units
Retail Product Size: 1 gram
Ordered : 07/01/22
Sampled : 07/01/22
Completed: 07/03/22
Sampling Method: SOP.T.20.010.FL
PASSED

Page 1 of 6

Jul 03, 2022 | Liberty Health Sciences, FL
18770 N CR 225
Gainesville, FL, 32609, US


PRODUCT IMAGE	SAFETY RESULTS								MISC.
	 Pesticides PASSED	 Heavy Metals PASSED	 Microbials PASSED	 Mycotoxins PASSED	 Residuals Solvents PASSED	 Filtration PASSED	 Water Activity PASSED	 Moisture NOT TESTED	 Terpenes TESTED
 Cannabinoid									PASSED



Analyzed by: 3404, 3134, 2507, 3303 Analysis Method : SOP.T.40.031, SOP.T.30.031 Analytical Batch : GA046289POT Instrument Used : GA-HPLC-001 2030C Plus Running on : 07/01/22 20:45:35 Dilution : 400 Reagent : 020322.R09; 010421.51; 062822.31; 061122.R33; 062122.R33 Consumables : 947.271; 470228-424; 9291.271; LLS-00-0005; 12455-202CD-202C; R0NB32898; 000000146137; 944C4 944J; 209598; 206639 Pipette : GA-002; GA-006; GA-013; GA-169 (Dispenser)	Weight: 0.0952g	Extraction date: 07/01/22 15:47:29	Extracted by: 3134
--	---------------------------	--	------------------------------

Reviewed On : 07/02/22 11:56:55
Batch Date : 07/01/22 12:11:08

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



Certificate of Analysis

PASSED

Liberty Health Sciences, FL

18770 N CR 225

Gainesville, FL, 32609, US

Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20701001-016

Harvest/Lot ID: DPFV109-2206-11221

Batch# : DF-
MBER-2206-10825

Sampled : 07/01/22

Ordered : 07/01/22

Sample Size Received : 16 gram

Total Batch Size : 1864 units

Completed : 07/03/22 Expires: 07/03/23

Sample Method : SOP.T.20.010

Page 2 of 6



Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
CAMPENE	0.007	0.4	0.04		GERANIOL	0.007	<0.2	<0.02	
BETA-MYRCENE	0.007	9.15	0.915		PULEGONE	0.007	ND	ND	
3-CARENE	0.007	ND	ND		ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	0.57	0.057		ALPHA-HUMULENE	0.007	1	0.1	
OCIMENE	0.007	ND	ND		TRANS-NEROLIDOL	0.007	ND	ND	
EUCALYPTOL	0.007	ND	ND		GUAIOL	0.007	ND	ND	
LINALOOL	0.007	3.27	0.327						
FENCHONE	0.007	ND	ND						
ISOPULEGOL	0.007	ND	ND						
ISOBORNEOL	0.007	ND	ND						
HEXAHYDROTHYMOL	0.007	ND	ND						
NEROL	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
BETA-CARYOPHYLLENE	0.007	9.07	0.907						
VALENCENE	0.007	ND	ND						
CIS-NEROLIDOL	0.007	ND	ND						
CEDROL	0.007	ND	ND						
FARNESENE	0	<0.01	ND						
CARYOPHYLLENE OXIDE	0.007	0.27	0.027						
ALPHA-BISABOLOL	0.007	1.36	0.136						
ALPHA-PINENE	0.007	1.61	0.161						
SABINENE	0.007	ND	ND						
BETA-PINENE	0.007	2.56	0.256						
ALPHA-TERPINENE	0.007	ND	ND						
LIMONENE	0.007	14.97	1.497						
GAMMA-TERPINENE	0.007	ND	ND						
TERPINOLENE	0.007	0.59	0.059						
SABINENE HYDRATE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	1.42	0.142						
CAMPHOR	0.013	ND	ND						
BORNEOL	0.013	ND	ND						
Total (%)			4.744						

Analyzed by:

3404, 3599, 2155, 3205, 1541

Weight:

1.0737g

Extraction date:

07/01/22 12:35:30

Extracted by:

3599

Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL

Analytical Batch : GA046287TER

Instrument Used : GA-GCMS-002 QP2010S

Running on : 07/02/22 17:34:18

Reviewed On : 07/03/22 19:31:32

Batch Date : 07/01/22 12:08:07

Dilution : 50

Reagent : 050322.48

Consumables : 947.109; 470228-424; 9291.271; LLS-00-0005; 210419634; RONB32898; 000000146137; 944C4 944; 210268

Pipette : GA-211 Dispenser

Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry.



Certificate of Analysis

PASSED

Liberty Health Sciences, FL

18770 N CR 225

Gainesville, FL, 32609, US

Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20701001-016

Harvest/Lot ID: DPFV109-2206-11221

Batch# : DF-

MBER-2206-10825

Sampled : 07/01/22

Ordered : 07/01/22

Sample Size Received : 16 gram

Total Batch Size : 1864 units

Completed : 07/03/22 Expires: 07/03/23

Sample Method : SOP.T.20.010

Page 3 of 6



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	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	PYRETHRINS	0.01	ppm	0.5	PASS	ND
ACEQUINOXYL	0.01	ppm	0.1	PASS	ND	PYRIDABEN	0.01	ppm	0.2	PASS	ND
ACETAMIPRID	0.01	ppm	0.1	PASS	ND	SPIROMESIFEN	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROTETRAMAT	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	0.1	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
BIFENAZATE	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.1	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
BOSCALID	0.01	PPM	0.1	PASS	ND	THIAMETHOXAM	0.01	ppm	0.5	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	1	PASS	ND	CAPTAN *	0.07	PPM	0.7	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
CLOFENTHINE	0.01	ppm	0.2	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	CYFLUTHRIN *	0.05	PPM	0.5	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	0.5	PASS	ND
DIAZINON	0.01	ppm	0.1	PASS	ND						
DICHLORVOS	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
DIMETHOATE	0.01	ppm	0.1	PASS	ND	3404, 3571, 3303, 3317	0.862g	07/01/22 12:47:16	3571		
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.101.FL, SOP.T.30.102.FL, SOP.T.30.151.FL, SOP.T.40.101.FL, SOP.T.40.102.FL, SOP.T.40.151.FL					
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Analytical Batch : GA046290PES			Reviewed On : 07/02/22 17:50:48		
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-LCMS-001 PES			Batch Date : 07/01/22 12:12:39		
FENHEXAMID	0.01	ppm	0.1	PASS	ND	Running on : 07/01/22 14:35:51					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Dilution : 10					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Reagent : 061222.R01; 011122.06; 061422.R02; 060422.R36					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Consumables : GA-210; 947.109; H20364; 9291.271; LLS-00-0005; 210268; 210419634; 296055173					
FLONICAMID	0.01	ppm	0.1	PASS	ND	Pipette : GA-011					
FLUDIOXONIL	0.01	ppm	0.1	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry and Gas 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	N/A	N/A	N/A	N/A		
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND	Analysis Method : SOP.T.30.060, SOP.T.40.060					
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND	Analytical Batch : GA046293VOL			Reviewed On : 07/02/22 11:40:23		
MALATHION	0.01	ppm	0.2	PASS	ND	Instrument Used : GA-GCMS-003			Batch Date : 07/01/22 13:31:39		
METALAXYL	0.01	ppm	0.1	PASS	ND	Running on : 07/01/22 14:40:04					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Dilution : 100					
METHOMYL	0.01	ppm	0.1	PASS	ND	Reagent : 061222.R01; 011122.06; 061422.R02; 060422.R36; 061522.R52					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Consumables : GA-210; 947.109; H20364; 9291.271; LLS-00-0005; 210268; 210419634; 296055173;					
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND	944C4 944; 206639; 15144001					
NALED	0.01	ppm	0.25	PASS	ND	Pipette : GA-004; GA-011; GA-146					
OXAMYL	0.01	ppm	0.5	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry and Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PHOSMET	0.01	ppm	0.1	PASS	ND						
PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND						
PRALLETHRIN	0.01	ppm	0.1	PASS	ND						



Certificate of Analysis

PASSED

Liberty Health Sciences, FL

18770 N CR 225

Gainesville, FL, 32609, US

Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20701001-016

Harvest/Lot ID: DPFV109-2206-11221

 Batch# : DF-
 MBER-2206-10825

Sampled : 07/01/22

Ordered : 07/01/22

Sample Size Received : 16 gram

Total Batch Size : 1864 units

Completed : 07/03/22 Expires: 07/03/23

Sample Method : SOP.T.20.010

Page 4 of 6



Residual Solvents

PASSED

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

 Analyzed by:
 N/A

 Weight:
 N/A

 Extraction date:
 N/A

 Extracted by:
 N/A

Analysis Method : SOP.T.40.041.FL

Analytical Batch : GA046274SOL

Instrument Used : GA-GCMS-004 QP2020NX

Running on : 07/01/22 14:03:18

Reviewed On : 07/02/22 15:00:31

Batch Date : 07/01/22 11:17:45

Dilution : N/A

Reagent : N/A

Consumables : 27296; 854996

Pipette : N/A

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



Certificate of Analysis

PASSED


Liberty Health Sciences, FL


 18770 N CR 225
 Gainesville, FL, 32609, US
Telephone: (833) 254-4877
Email: Qualityassurance@libertyhealthsciences.com


Sample : GA20701001-016
Harvest/Lot ID: DPFV109-2206-11221

Batch# : DF-MBER-2206-10825
Sample Size Received : 16 gram
Total Batch Size : 1864 units
Completed : 07/03/22 **Expires:** 07/03/23
Ordered : 07/01/22 **Sample Method :** SOP.T.20.010

Page 5 of 6

<div> Microbial</div>						<div><div>PASSED</div></div>					
Analyte	LOD	Units	Result	Pass / Fail	Action Level						
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS							
SALMONELLA SPECIFIC GENE			Not Present	PASS							
ASPERGILLUS FLAVUS			Not Present	PASS							
ASPERGILLUS FUMIGATUS			Not Present	PASS							
ASPERGILLUS TERREUS			Not Present	PASS							
ASPERGILLUS NIGER			Not Present	PASS							
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000						
Analyzed by: 3404, 1790, 2821, 1541	Weight: 0.94g	Extraction date: 07/01/22 19:22:42	Extracted by: 1790								
Analysis Method : SOP.T.40.041, SOP.T.40.043, SOP.T.40.045, SOP.T.40.056B, SOP.T.40.058.FL, SOP.T.40.208											
Analytical Batch : GA046284MIC			Reviewed On : 07/03/22 17:20:23								
Instrument Used : GA-TYM-001 Tempo Filler and Reader			Batch Date : 07/01/22 12:02:20								
Running on : 07/01/22 19:25:16											
Dilution : 90											
Reagent : 060122.01											
Consumables : 2303260; 2303190; 2306070; 2305240; 61630-123C6-123E											
Pipette : GA-154; GA-213											
Microbial testing is performed utilizing various technologies including: PCR, RTPCR, MPN, and traditional culture based techniques in accordance with F.S. Rule 64ER20-39..											
Analyzed by: N/A	Weight: N/A	Extraction date: N/A	Extracted by: N/A								
Analysis Method : SOP.T.40.041											
Analytical Batch : GA046285TYM			Reviewed On : 07/03/22 17:21:58								
Instrument Used : GA-TYM-001 bioMérieux Tempo Filler and Reader			Batch Date : 07/01/22 12:03:15								
Running on : 07/01/22 19:27:54											
Dilution : 90											
Reagent : 060122.01											
Consumables : 2304090; 2304090; 61630-123C6-123E											
Pipette : GA-154; GA-213											
Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.											

<div> Mycotoxins</div>						<div><div>PASSED</div></div>					
Analyte	LOD	Units	Result	Pass / Fail	Action Level						
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02						
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02						
OCHRATOXIN A	0.002	ppm	ND	PASS	0.02						
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02						
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02						
Analyzed by: 3404, 3571, 3303, 3317	Weight: 0.862g	Extraction date: 07/01/22 12:47:16	Extracted by: 3571								
Analysis Method : SOP.T.30.101.FL, SOP.T.40.101.FL, SOP.T.30.102.FL, SOP.T.40.102.FL											
Analytical Batch : GA046294MYC			Reviewed On : 07/02/22 18:24:17								
Instrument Used : GA-LCMS-001 MYC			Batch Date : 07/01/22 13:31:52								
Running on : 07/01/22 14:37:53											
Dilution : N/A											
Reagent : aflatoxin_b2; aflatoxin_b1; aflatoxin_g1; aflatoxin_g2											
Consumables : 0.02; 0.02; 0.02; 0.02											
Pipette : N/A											
Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.											

<div> Heavy Metals</div>						<div><div>PASSED</div></div>					
Metal	LOD	Units	Result	Pass / Fail	Action Level						
ARSENIC	0.02	PPM	ND	PASS	0.2						
CADMIUM	0.02	PPM	ND	PASS	0.2						
MERCURY	0.02	PPM	ND	PASS	0.2						
LEAD	0.05	PPM	ND	PASS	0.5						
Analyzed by: 3404, 3575, 3317, 2338	Weight: 0.4986g	Extraction date: 07/01/22 19:38:41	Extracted by: 3575								
Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL											
Analytical Batch : GA046292HEA			Reviewed On : 07/03/22 10:07:10								
Instrument Used : GA-ICPMS-002			Batch Date : 07/01/22 12:21:36								
Running on : N/A											
Dilution : 100											
Reagent : 052422.R35; 062222.R63; 010421.48; 061621.03; 041622.R02; 051622.R03; 041722.R01; 042022.R45											
Consumables : CGR0114; 12455-202CD-202C; L2019501											
Pipette : GA-012; GA-183; GA - 194; GA-195; GA-193											
Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.											



Certificate of Analysis

PASSED

Liberty Health Sciences, FL

18770 N CR 225

Gainesville, FL, 32609, US

Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20701001-016

Harvest/Lot ID: DPFV109-2206-11221

 Batch# : DF-
 MBER-2206-10825

Sampled : 07/01/22

Ordered : 07/01/22

Sample Size Received : 16 gram

Total Batch Size : 1864 units

Completed : 07/03/22 Expires: 07/03/23

Sample Method : SOP.T.20.010

Page 6 of 6


**Filth/Foreign
Material**
PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	%	ND	PASS	5

Analyzed by: 3404, 3134, 3192	Weight: 12g	Extraction date: 07/01/22 12:16:08	Extracted by: 3134
----------------------------------	----------------	---------------------------------------	-----------------------

Analysis Method : SOP.T.30.074, SOP.T.40.074

Analytical Batch : GA046291FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Running on : N/A

Reviewed On : 07/01/22 13:39:30

Batch Date : 07/01/22 12:14:28

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	0.1	aw	0.619	PASS	0.85

Analyzed by: 3404, 3599, 1541	Weight: 0.5117g	Extraction date: 07/01/22 13:14:45	Extracted by: 3599
----------------------------------	--------------------	---------------------------------------	-----------------------

Analysis Method : SOP.T.40.019

Analytical Batch : GA046286WAT

Instrument Used : GA-203 Rotronic HygroPalm

Running on : N/A

Reviewed On : 07/01/22 14:53:16

Batch Date : 07/01/22 12:06:06

Dilution : N/A

Reagent : N/A

Consumables : 107264

Pipette : N/A

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