



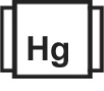









Certificate of Analysis

Sample:GA20618001-014
Harvest/Lot ID: ORFCW162-2206-10068
Batch#: LPC-172L-040922-2
Cultivation Facility: Gainesville Cultivation
Processing Facility : Gainesville Processing
Seed to Sale# ORFCW162-2206-10068
Batch Date: 06/15/22
Sample Size Received: 16 gram
Total Batch Size: 958 gram
Retail Product Size: 1 gram
Ordered : 06/18/22
Sampled : 06/18/22
Completed: 06/21/22
Sampling Method: SOP.T.20.010.FL
PASSED

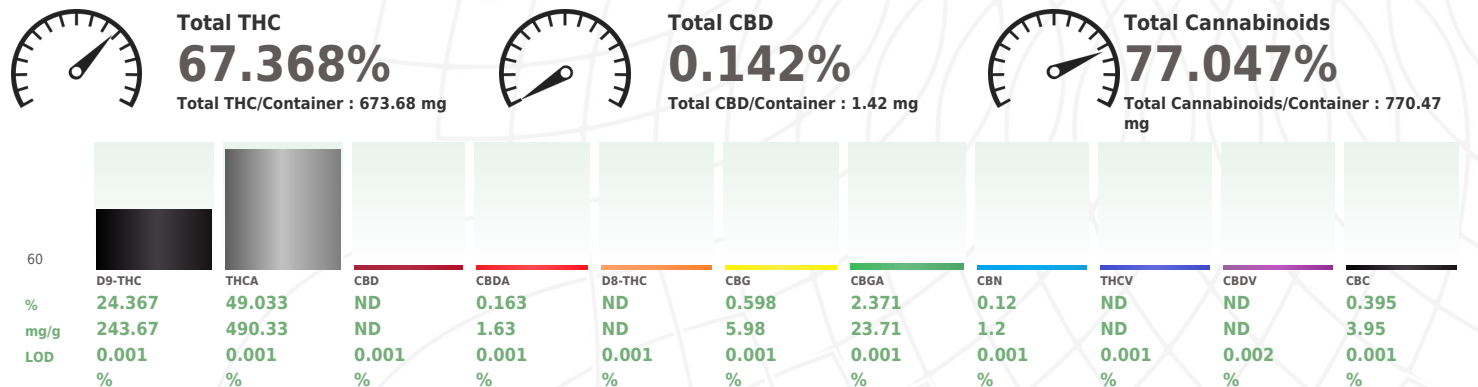
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Jun 21, 2022 | Liberty Health Sciences, FL
18770 N CR 225
Gainesville, FL, 32609, US


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

glass jar

	Cannabinoid	PASSED
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Analyzed by: 3571, 3134, 3205, 2338	Weight: 0.094g	Extraction date: 06/19/22 15:42:23	Extracted by: 3134
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Analysis Method : SOP.T.40.031, SOP.T.30.031	Reviewed On : 06/20/22 15:33:08
Analytical Batch : GA045603POT	Batch Date : 06/18/22 17:31:10
Instrument Used : GA-HPLC-001 2030C Plus	
Running on : 06/19/22 18:57:57	

Dilution : 400	
Reagent : 061122.R34; 061122.R30; 020322.R09; 060922.12	
Consumables : 7711028; 947.217; 470228-424; 9291.197; 110921; R0NB32898; 00321396; GA-169; 12035-035CD-035C; 944C4 944J; 210268; 206639	
Pipette : GA-005; GA-151; GA-153	

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 : GA20618001-014

Harvest/Lot ID: ORFCW162-2206-10068

Batch# : LPC-172L-040922-2

Sampled : 06/18/22

Ordered : 06/18/22

Sample Size Received : 16 gram

Total Batch Size : 958 gram

Completed : 06/21/22 Expires: 06/21/23

Sample Method : SOP.T.20.010

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Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD (%)	mg/g	%	Result (%)
TOTAL TERPINEOL	0.007	1.67	0.167		BORNEOL	0.013	<0.4	<0.04	
CAMPHENE	0.007	ND	ND		GERANIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	0.97	0.097		PULEGONE	0.007	ND	ND	
3-CARENE	0.007	ND	ND		ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	ND	ND		ALPHA-HUMULENE	0.007	6.94	0.694	
OCIMENE	0.007	0.51	0.051		TRANS-NEROLIDOL	0.007	0.77	0.077	
EUCALYPTOL	0.007	<0.2	<0.02		GUAJOL	0.007	2.25	0.225	
LINALOOL	0.007	4.4	0.44		Analized by:	Weight:	Extraction date:	Extracted by:	
FENCHONE	0.007	ND	ND		3571, 2507, 3205, 2338	1.0318g	06/18/22 17:38:40	2507	
ISOPULEGOL	0.007	<0.2	<0.02		Analysis Method :	SOP.T.30.061A.FL, SOP.T.40.061A.FL			
ISOBORNEOL	0.007	ND	ND		Analytical Batch :	GA045571TER			
HEXAHYDROTHYMOL	0.007	ND	ND		Instrument Used :	GA-GCMS-002 QP2010S			
NEROL	0.007	ND	ND		Running on :	06/18/22 19:24:36			
GERANYL ACETATE	0.007	ND	ND		Dilution :	50			
BETA-CARYOPHYLLENE	0.007	22.85	2.285		Reagent :	050322.49; 010421.48			
VALENCENE	0.007	ND	ND		Consumables :	GA-211; 947.109; H20364; 9291.197; 110921; 210419634; RONB32898; 00321396; 944C4 944j; 210268; 206639			
CIS-NEROLIDOL	0.007	ND	ND		Pipette :	GA-005; GA-011; GA-146			
CEDROL	0.007	ND	ND		Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry.				
FARNESENE	0	0.64	0.064						
CARYOPHYLLENE OXIDE	0.007	0.65	0.065						
ALPHA-BISABOLOL	0.007	4.12	0.412						
ALPHA-PINENE	0.007	ND	ND						
SABINENE	0.007	ND	ND						
BETA-PINENE	0.007	ND	ND						
ALPHA-TERPINENE	0.007	ND	ND						
LIMONENE	0.007	2.72	0.272						
GAMMA-TERPINENE	0.007	ND	ND						
TERPINOLENE	0.007	0.91	0.091						
SABINENE HYDRATE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	2.1	0.21						
CAMPHOR	0.013	ND	ND						
Total (%)			5.15						



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Sample Method : SOP.T.20.010

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<div>  Pesticides </div>						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	TOTAL DIMETHOMORPH	0.01	PPM	0.2	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TOTAL PERMETHRIN	0.01	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	1	PASS	ND	TOTAL SPINETORAM	0.01	PPM	0.2	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	0.1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
CLOFENTEZINE	0.01	ppm	0.2	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND	CAPTAN *	0.07	PPM	0.7	PASS	ND
DIAZINON	0.01	ppm	0.1	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
DICHLORVOS	0.01	ppm	0.1	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
DIMETHOATE	0.01	ppm	0.1	PASS	ND	CYFLUTHRIN *	0.05	PPM	0.5	PASS	ND
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	0.5	PASS	ND
ETOFENPROX	0.01	ppm	0.1	PASS	ND						
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
FENHEXAMID	0.01	ppm	0.1	PASS	ND	3571, 3134, 2338, 3298	1.073g	06/19/22 11:14:41	3134		
FENOXYCARB	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					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Analytical Batch : GA045608PES		Reviewed On : 06/20/22 13:10:39			
FIPRONIL	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-LCMS-001 PES		Batch Date : 06/18/22 19:27:09			
FLONICAMID	0.01	ppm	0.1	PASS	ND	Running on : 06/19/22 14:50:45					
FLUDIOXONIL	0.01	ppm	0.1	PASS	ND	Dilution : 10					
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND	Reagent : 060222.R23; 011122.06; 052322.R01; 060422.R35					
IMAZALIL	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; 470228-424; 9291.271; 110921; 210419634; 296055173; 41064115C4115B; 209598; 206639					
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND	Pipette : GA-002; GA-006; GA-013; GA-210 Dispenser					
KRESOXIM-METHYL	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.					
MALATHION	0.01	ppm	0.2	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
METALAXYL	0.01	ppm	0.1	PASS	ND	NA	NA	NA	NA		
METHIOCARB	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.060, SOP.T.40.060					
METHOMYL	0.01	ppm	0.1	PASS	ND	Analytical Batch : GA045615VOL		Reviewed On : 06/20/22 13:03:00			
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-GCMS-006		Batch Date : 06/19/22 12:45:54			
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND	Running on : 06/20/22 09:56:19					
NALED	0.01	ppm	0.25	PASS	ND	Dilution : 100					
OXAMYL	0.01	ppm	0.5	PASS	ND	Reagent : 060222.R23; 011122.06; 061522.R52					
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; 470228-424; 9291.271; 110921; 210419634; 296055173; 41064115C4115B; 209598; 206639; 15024701					
PHOSMET	0.01	ppm	0.1	PASS	ND	Pipette : GA-002; GA-005; GA-013					
PIPERONYL BUTOXIDE	0.01	ppm	3	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.					
PRALLETHRIN	0.01	ppm	0.1	PASS	ND						



Certificate of Analysis

PASSED

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Gainesville, FL, 32609, US

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Sample : GA20618001-014

Harvest/Lot ID: ORFCW162-2206-10068

Batch# : LPC-172L-040922-2

Sampled : 06/18/22

Ordered : 06/18/22

Sample Size Received : 16 gram

Total Batch Size : 958 gram

Completed : 06/21/22 Expires: 06/21/23

Sample Method : SOP.T.20.010

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	ND
ETHANOL	500	ppm	5000	PASS	<2500
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
TOTAL XYLENES	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:
 NA

Weight:

 Extraction date:
 NA

 Extracted by:
 NA

Analysis Method : SOP.T.40.041.FL

Analytical Batch : GA045586SOL

Instrument Used : GA-GCMS-001 Headspace Solvent

Running on : 06/18/22 17:39:55

Reviewed On : 06/19/22 15:13:14

Batch Date : 06/18/22 12:21:26

Dilution : 1

Reagent :

Consumables : 27296; 854996

Pipette :

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



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 Batch# : LPC-172L-040922-2
 Sample Size Received : 16 gram
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 Sampled : 06/18/22
 Completed : 06/21/22 Expires: 06/21/23
 Ordered : 06/18/22
 Sample Method : SOP.T.20.010

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<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: 3571, 2821, 1541	Weight: 0.97g	Extraction date: 06/19/22 10:57:26	Extracted by: 2821								
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 : GA045590MIC			Reviewed On : 06/21/22 14:06:16								
Instrument Used : GA-TYM-001 Tempo Filler and Reader			Batch Date : 06/18/22 13:29:53								
Running on : 06/19/22 10:58:55											
Dilution : 90											
Reagent : 060122.12											
Consumables : 2304090; 2304090; 61630-123C6-123E; 2303260; 2303190											
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: NA	Weight: NA	Extraction date: NA	Extracted by: NA								
Analysis Method : SOP.T.40.041											
Analytical Batch : GA045591TYM			Reviewed On : 06/21/22 13:14:47								
Instrument Used : GA-TYM-001 bioMérieux Tempo Filler and Reader			Batch Date : 06/18/22 13:30:13								
Running on : 06/19/22 10:58:59											
Dilution : 90											
Reagent : 060122.12											
Consumables : 2304090; 2304090; 61630-123C6-123E											
Pipette : GA-154											
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: 3571, 3134, 2338, 3298	Weight: 1.073g	Extraction date: 06/19/22 11:14:41	Extracted by: 3134								
Analysis Method : SOP.T.30.101.FL, SOP.T.40.101.FL, SOP.T.30.102.FL, SOP.T.40.102.FL											
Analytical Batch : GA045618MYC			Reviewed On : 06/20/22 13:31:37								
Instrument Used : GA-LCMS-001 MYC			Batch Date : 06/19/22 12:52:25								
Running on : 06/19/22 14:51:57											
Dilution : 90											
Reagent : aflatoxin_b2; aflatoxin_b1; aflatoxin_g1; aflatoxin_g2											
Consumables : 0.02; 0.02; 0.02; 0.02											
Pipette : GA-154; GA-213											
Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.											

<div><div>Hg</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: 3571, 3317, 2338, 3298	Weight: 0.4857g	Extraction date: 06/19/22 11:00:21	Extracted by: 2338								
Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL											
Analytical Batch : GA045573HEA			Reviewed On : 06/19/22 15:46:36								
Instrument Used : GA-ICPMS-002			Batch Date : 06/17/22 19:06:59								
Running on : 06/19/22 14:51:57											
Dilution : 100											
Reagent : 052422.R35; 061422.R22; 010421.48; 061621.03; 041622.R02; 051622.R03; 041722.R01; 042022.R45											
Consumables : GA-194; GA-195; CGR0114; 12035-035CD-035C; L2019501											
Pipette : GA-012; GA-183; GA-193											
Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.											



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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: 3571, 3209, 1541	Weight: 15.6g	Extraction date: 06/18/22 13:55:15	Extracted by: 3209
----------------------------------	------------------	---------------------------------------	-----------------------

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

Analytical Batch : GA045588FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Running on :

Reviewed On : 06/18/22 18:02:10

Batch Date : 06/18/22 13:19:08

Dilution : 1

Reagent :

Consumables :

Pipette :

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	0.538	PASS	0.85

Analyzed by: 3571, 3209, 3134	Weight: 1.7318g	Extraction date: 06/18/22 19:59:54	Extracted by: 3209
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Analysis Method : SOP.T.40.019

Analytical Batch : GA045607WAT

Instrument Used : GA-203 Rotronic HygroPalm

Running on :

Reviewed On : 06/20/22 15:27:58

Batch Date : 06/18/22 18:28:53

Dilution : 1

Reagent :

Consumables : 107264

Pipette :

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