














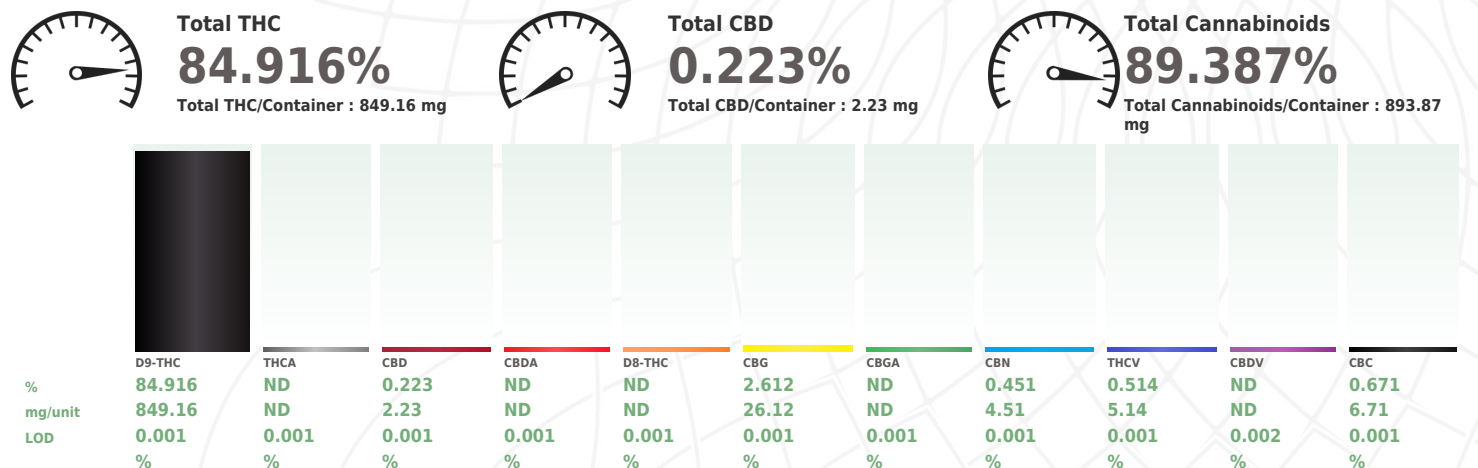
Certificate of Analysis

Sample:GA20628001-018
Harvest/Lot ID: HVFV118-2206-10610
Batch#: DF-GOGL-2206-9797
Cultivation Facility: Gainesville Cultivation
Processing Facility : Gainesville Processing
Seed to Sale# HVFV118-2206-10610
Batch Date: 06/22/22
Sample Size Received: 16 gram
Total Batch Size: 2354 units
Retail Product Size: 1 gram
Ordered : 06/28/22
Sampled : 06/28/22
Completed: 07/01/22
Sampling Method: SOP.T.20.010.FL
PASSED

Page 1 of 6

Jul 01, 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, 3575, 2507, 3303 Analysis Method : SOP.T.40.031, SOP.T.30.031 Analytical Batch : GA046054POT Instrument Used : GA-HPLC-001 2030C Plus Running on : 06/29/22 13:50:25 Dilution : 400 Reagent : 020322.R09; 010421.48; 062822.31; 061122.R33; 062122.R33 Consumables : 947.271; H20364; 9291.271; LLS-00-0005; 12455-202CD-202C; R0NB32898; 000000146137; 944C4 944J; 210268; 212938; 206639 Pipette : GA-011; GA-146; GA-182	Weight: 0.1098g	Extraction date: 06/29/22 11:19:49	Extracted by: 3575
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Reviewed On : 06/30/22 11:01:58
Batch Date : 06/28/22 09:22:38

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 : GA20628001-018

Harvest/Lot ID: HVFV118-2206-10610

Batch# : DF-GOGL-2206-9797

Sampled : 06/28/22

Ordered : 06/28/22

Sample Size Received : 16 gram

Total Batch Size : 2354 units

Completed : 07/01/22 Expires: 07/01/23

Sample Method : SOP.T.20.010

Page 2 of 6



Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
TOTAL TERPINEOL	0.007	1.63	0.163		BORNEOL	0.013	ND	ND	
CAMPHENE	0.007	<0.2	<0.02		GERANIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	1.77	0.177		PULEGONE	0.007	ND	ND	
3-CARENE	0.007	ND	ND		ALPHA-CEDRENE	0.007	<0.2	<0.02	
ALPHA-PHELLANDRENE	0.007	ND	ND		ALPHA-HUMULENE	0.007	2.09	0.209	
OCIMENE	0.007	0.34	0.034		TRANS-NEROLIDOL	0.007	1.71	0.171	
EUCALYPTOL	0.007	0.36	0.036		GUAJOL	0.007	ND	ND	
LINALOOL	0.007	1.15	0.115						
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	0.43	0.043						
BETA-CARYOPHYLLENE	0.007	8.44	0.844						
VALENCENE	0.007	4.75	0.475						
CIS-NEROLIDOL	0.007	0.55	0.055						
CECROL	0.007	0.33	0.033						
FARNESENE	0	0.5	0.05						
CARYOPHYLLENE OXIDE	0.007	0.64	0.064						
ALPHA-BISABOLOL	0.007	0.93	0.093						
ALPHA-PINENE	0.007	0.8	0.08						
SABINENE	0.007	ND	ND						
BETA-PINENE	0.007	1.23	0.123						
ALPHA-TERPINENE	0.007	ND	ND						
LIMONENE	0.007	15.07	1.507						
GAMMA-TERPINENE	0.007	1.66	0.166						
TERPINOLENE	0.007	<0.2	<0.02						
SABINENE HYDRATE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	0.69	0.069						
CAMPOR	0.013	ND	ND						
Total (%)				4.507					

Analyzed by: 3404, 3600, 3303, 2155 Weight: 1.0367g Extraction date: 06/28/22 18:05:47 Extracted by: 3600 Analysis Method: SOP.T.30.061A.FL, SOP.T.40.061A.FL Analytical Batch: GA046099TER Instrument Used: GA-GCMS-002 QP2010S Running on: 06/29/22 16:19:54 Dilution: 50 Reagent: 060922.R22; 050322.49; 010421.48 Consumables: 947.271; H20364; 9291.271; LLS-00-0005; 89012-780; RONB32898; 000000146137; 944C4 944; 210268; 206639 Pipette: GA-005; GA-149; GA-153; GA-150; GA-211 Dispenser Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry.	Reviewed On: 06/30/22 12:28:57 Batch Date: 06/28/22 16:35:15
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Gainesville, FL, 32609, US

Telephone: (833) 254-4877

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Sample : GA20628001-018

Harvest/Lot ID: HVFV118-2206-10610

Batch# : DF-GOGL-2206-9797 Sample Size Received : 16 gram

Sampled : 06/28/22

Ordered : 06/28/22

Total Batch Size : 2354 units

Completed : 07/01/22 Expires: 07/01/23

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
ACEQUINOYL	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
CLOFENTZINE	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, 3209, 3303, 3317	1.0505g	06/29/22 11:25:01	3209		
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 : GA046101PES			Reviewed On : 06/30/22 10:28:32		
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-LCMS-001 PES			Batch Date : 06/28/22 16:38:54		
FENHEXAMID	0.01	ppm	0.1	PASS	ND	Running on : 06/29/22 15:43:03					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Dilution : 10					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Reagent : 060422.R38; 060422.R36; 062122.R09; 062922.R34					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; H20364; 9291.271; LLS-00-0005; 210419634; 296055173; 210268					
FLONICAMID	0.01	ppm	0.1	PASS	ND	Pipette : GA-002; GA-210 Dispenser					
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 : GA046154VOL			Reviewed On : 06/30/22 10:58:46		
MALATHION	0.01	ppm	0.2	PASS	ND	Instrument Used : GA-GCMS-006			Batch Date : 06/29/22 12:13:52		
METALAXYL	0.01	ppm	0.1	PASS	ND	Running on : 06/29/22 16:51:08					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Dilution : 100					
METHOMYL	0.01	ppm	0.1	PASS	ND	Reagent : 060422.R38; 060422.R36; 062122.R09; 062922.R34; 061522.R52					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; H20364; 9291.271; LLS-00-0005; 210419634; 296055173; 210268; 15144001; 944C4 944; 206639					
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND	Pipette : GA-146; GA-182					
NALED	0.01	ppm	0.25	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.					
OXAMYL	0.01	ppm	0.5	PASS	ND						
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

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 Gainesville, FL, 32609, US
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 Email: Qualityassurance@libertyhealthsciences.com

 Sample : GA20628001-018
 Harvest/Lot ID: HVFV118-2206-10610
 Batch# : DF-GOGL-2206-9797 Sample Size Received : 16 gram
 Sampled : 06/28/22 Total Batch Size : 2354 units
 Ordered : 06/28/22 Completed : 07/01/22 Expires: 07/01/23
 Sample Method : SOP.T.20.010

Page 4 of 6

<div>Residual Solvents</div>				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			Reviewed On : 06/29/22 14:25:19 Batch Date : 06/28/22 11:31:43		
Analytical Batch : GA046083SOL					
Instrument Used : GA-GCMS-004 QP2020NX					
Running on : 06/28/22 14:52:05					
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

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 Telephone: (833) 254-4877
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 Sample : GA20628001-018
 Harvest/Lot ID: HVFV118-2206-10610
 Batch# : DF-GOGL-2206-9797
 Sample Size Received : 16 gram
 Total Batch Size : 2354 units
 Sampled : 06/28/22
 Completed : 07/01/22 Expires: 07/01/23
 Ordered : 06/28/22
 Sample Method : SOP.T.20.010

Page 5 of 6

 Microbial PASSED						 Mycotoxins PASSED					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		OCHRATOXIN A	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS		Analyzed by: 3404, 3209, 3303, 3317 Weight: 1.0505g Extraction date: 06/29/22 11:25:01 Extracted by: 3209					
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000	Analysis Method : SOP.T.30.101.FL, SOP.T.40.101.FL, SOP.T.30.102.FL, SOP.T.40.102.FL Analytical Batch : GA046153MYC Reviewed On : 06/30/22 10:44:13 Instrument Used : GA-LCMS-001 MYC Batch Date : 06/29/22 12:13:43 Running on : 06/29/22 15:43:13					
Analyzed by: 3404, 1790, 1541 Weight: 0.85g Extraction date: 06/29/22 20:14:36 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 : GA046113MIC Reviewed On : 07/01/22 08:03:21 Instrument Used : GA-TYM-001 Tempo Filler and Reader Batch Date : 06/28/22 18:41:27 Running on : 06/29/22 20:17:43 Dilution : 90 Reagent : 052622.09 Consumables : 2303260; 2303190; 2304090; 2304090; GA-185; GA-213; 61630-123C6-123E Pipette : GA-154						Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
Microbial testing is performed utilizing various technologies including: PCR, RTPCR, MPN, and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.						 Heavy Metals PASSED					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Metal	LOD	Units	Result	Pass / Fail	Action Level
ANALYZED BY: N/A						ARSENIC	0.02	PPM	ND	PASS	0.2
ANALYSIS METHOD : SOP.T.40.041						CADMIUM	0.02	PPM	ND	PASS	0.2
ANALYTICAL BATCH : GA046114TYM						MERCURY	0.02	PPM	ND	PASS	0.2
INSTRUMENT USED : GA-TYM-001 bioMérieux Tempo Filler and Reader						LEAD	0.05	PPM	ND	PASS	0.5
RUNNING ON : 06/30/22 16:23:24						Analyzed by: 3404, 3317, 3571, 2155, 3303 Weight: 0.4203g Extraction date: 06/29/22 11:01:38 Extracted by: 3571 Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL Analytical Batch : GA046034HEA Reviewed On : 06/30/22 11:03:50 Instrument Used : GA-ICPMS-002 Batch Date : 06/27/22 15:17:00 Running on : 06/30/22 08:39:07 Dilution : 100 Reagent : 041622.R02; 051622.R03; 041722.R01; 042022.R45; 061621.03; 052422.R35; 062222.R63; 010421.48 Consumables : L2019501; GA-194; GA-195; CGR0114; 12455-202CD-202C Pipette : GA-012; GA-183; GA-193					
Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.						Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					



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Batch# : DF-GOGL-2206-9797 **Sample Size Received :** 16 gram
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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, 3600, 1541	Weight: 10.2g	Extraction date: 06/28/22 16:58:54	Extracted by: 3600
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Analysis Method : SOP.T.30.074, SOP.T.40.074

Analytical Batch : GA046109FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Running on : N/A

Reviewed On : 06/30/22 08:41:13

Batch Date : 06/28/22 16:58:45

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	0.577	PASS	0.85

Analyzed by: 3404, 3575, 1541	Weight: 0.7798g	Extraction date: 06/28/22 18:32:46	Extracted by: 3575
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Analysis Method : SOP.T.40.019

Analytical Batch : GA046098WAT

Instrument Used : GA-203 Rotronic HygroPalm

Running on : N/A

Reviewed On : 06/30/22 08:20:32

Batch Date : 06/28/22 16:33:41

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.