



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample: GA30511001-002
Harvest/Lot ID: SOFD104-2305-20646
Batch#: BB7-431-012923
Cultivation Facility: Gainesville Cultivation
Processing Facility: Gainesville Processing
Source Facility: Gainesville Cultivation
Seed to Sale# SOFD104-2305-20646
Batch Date: 05/08/23
Sample Size Received: 15.3 gram
Total Amount: 3182 units
Retail Product Size: .3 gram
Ordered: 05/11/23
Sampled: 05/11/23
Completed: 05/16/23
Sampling Method: SOP.T.20.010

May 16, 2023 | Liberty Health Sciences,
FL
18770 N CR 225
Gainesville, FL, 32609, US



PASSED

Pages 1 of 6

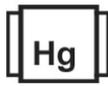
PRODUCT IMAGE



SAFETY RESULTS



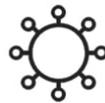
Pesticides
PASSED



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
79.392%

Total THC/Container : 238.176 mg



Total CBD
0.241%

Total CBD/Container : 0.723 mg



Total Cannabinoids
83.521%

Total Cannabinoids/Container : 250.563 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	79.392	ND	0.241	ND	ND	2.68	ND	0.849	0.359	ND	<0.2
mg/unit	238.176	ND	0.723	ND	ND	8.04	ND	2.547	1.077	ND	<0.6
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:
3192, 3303

Weight:
0.0916g

Extraction date:
05/11/23 13:43:54

Extracted by:
3600

Analysis Method : SOP.T.40.031, SOP.T.30.031
Analytical Batch : GA060025POT
Instrument Used : GA-HPLC-001 2030C Plus (Derivative)
Analyzed Date : N/A

Reviewed On : 05/12/23 09:03:27
Batch Date : 05/10/23 19:21:39

Dilution : 400
Reagent : 030323.R43; 010421.44; 041023.02; 041423.R19; 050423.R30
Consumables : 947.109; 21/05/14; 9291.271; LLS-00-0005; 12543-226CD-226C; RONB32898; 46610-762A; 031C4 - 031 J; 212516
Pipette : GA-010; GA-146; GA-182; GA-169 (Dispenser)

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

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Miranda MacDonald
Lab Director



State License # CMTL-0001
ISO 17025 Accreditation # ISO/IEC
17025:2017 Accreditation P/LA-
Testing 97164

Signature
05/16/23



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 : GA30511001-002
Harvest/Lot ID: SOFD104-2305-20646

Batch# : BB7-431-012923 Sample Size Received : 15.3 gram
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Sample Method : SOP.T.20.010

Page 2 of 6

Terpenes				TESTED			
Terpenes	LOD (%)	mg/unit %	Result (%)	Terpenes	LOD (%)	mg/unit %	Result (%)
TOTAL TERPENES	0.007	11.841 3.947	<div style="width: 3.947%;"></div>	FARNESENE	0.001	ND ND	<div style="width: 0%;"></div>
TOTAL TERPENEOL	0.007	0.258 0.086	<div style="width: 0.086%;"></div>	ALPHA-HUMULENE	0.007	1.23 0.41	<div style="width: 0.41%;"></div>
ALPHA-BISABOLOL	0.007	<0.3 <0.1	<div style="width: 0%;"></div>	VALENCENE	0.007	ND ND	<div style="width: 0%;"></div>
ALPHA-PINENE	0.007	0.693 0.231	<div style="width: 0.231%;"></div>	CIS-NEROLIDOL	0.007	<0.3 <0.1	<div style="width: 0%;"></div>
CAMPHENE	0.007	ND ND	<div style="width: 0%;"></div>	TRANS-NEROLIDOL	0.007	0.309 0.103	<div style="width: 0.103%;"></div>
SABINENE	0.007	ND ND	<div style="width: 0%;"></div>	CARYOPHYLLENE OXIDE	0.007	<0.3 <0.1	<div style="width: 0%;"></div>
BETA-PINENE	0.007	0.438 0.146	<div style="width: 0.146%;"></div>	GUAIOL	0.007	ND ND	<div style="width: 0%;"></div>
BETA-MYRCENE	0.007	1.47 0.49	<div style="width: 0.49%;"></div>	CEDROL	0.007	ND ND	<div style="width: 0%;"></div>
ALPHA-PHELLANDRENE	0.007	ND ND	<div style="width: 0%;"></div>	<p>Analyzed by: 2155, 3317, 2338, 3303 Weight: 0.8882g Extraction date: 05/13/23 10:54:45 Extracted by: 3655,3575</p> <p>Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL</p> <p>Analytical Batch : GA060064TER Reviewed On : 05/14/23 13:19:58</p> <p>Instrument Used : GA-GCMS-005 QP2020NX (Derivative) Batch Date : 05/11/23 11:20:35</p> <p>Analyzed Date : 05/13/23 16:00:43</p> <p>Dilution : 50</p> <p>Reagent : 021123.R06; 032223.04; 010421.44</p> <p>Consumables : 212823; 947.109; 21/05/14; 9291.1271; LLS-00-0005; 89012-780; RONB32898; 46610-762A; 031C4 - 031 J; 206639</p> <p>Pipette : GA-002; GA-005; GA-177; GA-211 Dispenser</p> <p>Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.</p>			
3-CARENE	0.007	ND ND	<div style="width: 0%;"></div>				
ALPHA-TERPINENE	0.007	ND ND	<div style="width: 0%;"></div>				
LIMONENE	0.007	2.868 0.956	<div style="width: 0.956%;"></div>				
EUCALYPTOL	0.007	ND ND	<div style="width: 0%;"></div>				
OCIMENE	0.007	ND ND	<div style="width: 0%;"></div>				
GAMMA-TERPINENE	0.007	ND ND	<div style="width: 0%;"></div>				
SABINENE HYDRATE	0.007	ND ND	<div style="width: 0%;"></div>				
TERPINOLENE	0.007	ND ND	<div style="width: 0%;"></div>				
FENCHONE	0.007	ND ND	<div style="width: 0%;"></div>				
LINALOOL	0.007	1.434 0.478	<div style="width: 0.478%;"></div>				
FENCHYL ALCOHOL	0.007	<0.3 <0.1	<div style="width: 0%;"></div>				
ISOPULEGOL	0.007	ND ND	<div style="width: 0%;"></div>				
CAMPHOR	0.013	ND ND	<div style="width: 0%;"></div>				
ISOBORNEOL	0.007	ND ND	<div style="width: 0%;"></div>				
BORNEOL	0.013	ND ND	<div style="width: 0%;"></div>				
HEXAHYDROTHYMOL	0.007	ND ND	<div style="width: 0%;"></div>				
NEROL	0.007	ND ND	<div style="width: 0%;"></div>				
PULEGONE	0.007	ND ND	<div style="width: 0%;"></div>				
GERANIOL	0.007	<0.3 <0.1	<div style="width: 0%;"></div>				
GERANYL ACETATE	0.007	ND ND	<div style="width: 0%;"></div>				
ALPHA-CEDRENE	0.007	<0.3 <0.1	<div style="width: 0%;"></div>				
BETA-CARYOPHYLLENE	0.007	3.141 1.047	<div style="width: 1.047%;"></div>				
Total (%)		3.947	<div style="width: 3.947%;"></div>				

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Miranda MacDonald
Lab Director

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ISO 17025 Accreditation # ISO/IEC
17025:2017 Accreditation P/LA-
Testing 97164

Signature
05/16/23



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Gainesville, FL, 32609, US
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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
ACEQUINOCLYL	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	795, 3303	0.2021g	05/15/23 15:45:41	795		
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), SOP.T.40.102.FL (Davie)					
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	Analytical Batch : DA060228PES					
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Instrument Used : DA-LCMS-004 (PES)					
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Analyzed Date : N/A					
FENHEXAMID	0.01	ppm	0.1	PASS	ND	Dilution : 250					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Reagent : 051523.R02; 051023.R47; 042623.R45; 051023.R16; 040521.11					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Consumables : 6698360-03					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Pipette : DA-093; DA-094; DA-219					
FLONICAMID	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.					
FLUDIOXONIL	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND	2155, 3303	0.8397g	05/11/23 11:42:48	3655		
IMAZALIL	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL					
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND	Analytical Batch : GA060015VOL					
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-GCMS-006					
MALATHION	0.01	ppm	0.2	PASS	ND	Analyzed Date : 05/10/23 18:26:43					
METALAXYL	0.01	ppm	0.1	PASS	ND	Dilution : 50					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Reagent : 051123.R18; 032823.R34; 011122.06					
METHOMYL	0.01	ppm	0.1	PASS	ND	Consumables : 947.109; 21/05/14; 9291.271; LLS-00-0005; 210419634; 296055173; 55447-U.15143701; 944C4 944; 209598; 212516					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Pipette : GA-003; GA-007; GA-177					
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND	Testing for agricultural agents is performed utilizing Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
NALED	0.01	ppm	0.25	PASS	ND						

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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	<2500
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: 2155, 3317, 3303	Weight: 0.0234g	Extraction date: 05/11/23 13:15:46	Extracted by: 2155
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Analysis Method : SOP.T.40.041.FL Analytical Batch : GA06007050L Instrument Used : GA-GCMS-001 Headspace Solvent Analyzed Date : 05/11/23 13:17:17	Reviewed On : 05/13/23 16:48:08 Batch Date : 05/11/23 11:52:23
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Dilution : N/A
 Reagent : 010421.47
 Consumables : 27296; G201.167
 Pipette : GA-253

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
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
ECOLI SHIGELLA			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: 3793, 3721, 3317, 3303 **Weight:** 1.153g **Extraction date:** 05/11/23 12:54:27 **Extracted by:** 3793
Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL
Analytical Batch : GA060056MIC **Reviewed On :** 05/13/23 16:47:34
Instrument Used : GA-200 Bacterial / GA-102 Fungal Incubators **Batch Date :** 05/11/23 10:36:05
Analyzed Date : 05/11/23 12:58:25
Dilution : 10
Reagent : 092022.51
Consumables : GA-186; 010205; 013209; 007109; P-21557211R
Pipette : GA-154

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: 795, 3303 **Weight:** 0.2021g **Extraction date:** 05/15/23 15:45:41 **Extracted by:** 795
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 : DA060229MYC **Reviewed On :** 05/16/23 16:36:31
Instrument Used : DA-LCMS-004 (MYC) **Batch Date :** 05/15/23 15:36:54
Analyzed Date : N/A
Dilution : 250
Reagent : 051523.R02; 051023.R47; 042623.R45; 051023.R16; 040521.11
Consumables : 6698360-03
Pipette : DA-093; DA-094; DA-219

Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.

Analyte	LOD	Units	Result	Pass / Fail	Action Level
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000

Analyzed by: 3793, 3721, 3317, 3303 **Weight:** 1.153g **Extraction date:** 05/11/23 12:54:27 **Extracted by:** 3793
Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL
Analytical Batch : GA060057TYM **Reviewed On :** 05/13/23 16:47:37
Instrument Used : GA-102 Fungal Incubator (TYM) **Batch Date :** 05/11/23 10:36:41
Analyzed Date : 05/11/23 12:58:29
Dilution : 10
Reagent : 092022.51
Consumables : GA-186; 007109; P-21557211R
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.

Analyte	LOD	Units	Result	Pass / Fail	Action Level
TOTAL CONTAMINANT LOAD METALS	0.08	ppm	ND	PASS	1.1
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	0.02	ppm	ND	PASS	0.5

Analyzed by: 3571, 3721, 2507, 3303 **Weight:** 0.2133g **Extraction date:** 05/11/23 14:16:03 **Extracted by:** 3571,3600,3721
Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL
Analytical Batch : GA059963HEA **Reviewed On :** 05/12/23 08:48:19
Instrument Used : GA-ICPMS-002 **Batch Date :** 05/09/23 18:32:46
Analyzed Date : 05/11/23 18:30:42
Dilution : 50
Reagent : 042723.R27; 050623.R01; 071522.04; 010421.45; 011523.R02; 110122.R06; 011523.R03; 040723.R30
Consumables : 12532-225CD-225C; GA-194; GA-195; 209598
Pipette : GA-012

Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.

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Miranda MacDonald
Lab Director



State License # CMTL-0001
ISO 17025 Accreditation # ISO/IEC
17025:2017 Accreditation P/LA-
Testing 97164

Signature
05/16/23



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 : GA30511001-002
Harvest/Lot ID: SOFD104-2305-20646

Batch# : BB7-431-012923 Sample Size Received : 15.3 gram
Sampled : 05/11/23 Total Amount : 3182 units
Ordered : 05/11/23 Completed : 05/16/23 Expires: 05/16/24
Sample Method : SOP.T.20.010

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

Analyzed by: 3600, 3571, 3303 Weight: 8.3618g Extraction date: 05/11/23 11:16:36 Extracted by: 3600
Analysis Method : SOP.T.40.090 Reviewed On : 05/11/23 17:15:49
Analytical Batch : GA060058FIL Batch Date : 05/11/23 10:44:27
Instrument Used : GA-Filth/Foreign Material Microscope
Analyzed Date : N/A

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
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Analyte	LOD	Units	Result	P/F	Action Level
Water Activity	0.01	aw	0.557	PASS	0.85

Analyzed by: 3571, 3575, 3303 Weight: 0.7061g Extraction date: 05/11/23 17:07:16 Extracted by: 3655
Analysis Method : SOP.T.40.019 Reviewed On : 05/12/23 09:32:40
Analytical Batch : GA060069WAT Batch Date : 05/11/23 11:24:47
Instrument Used : GA-085 Rotronic HygroPalm
Analyzed Date : N/A

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.

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Miranda MacDonald
Lab Director



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Signature
05/16/23