4131 SW 47th AVENUE SUITE 1408
DAVIE, FL, 33314, US

Kaycha Labs
0.5 RSO Applicator
RSO
Matrix: Derivative

Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample:DA21230008-007
Harvest/Lot ID: 7135 2578 8247 5611
Batch#: 1991 6432 8276 9260
Cultivation Facility: Apopka
Processing Facility : Apopka
Seed to Sale# 7898 1290 8765 2450
Batch Date: 12/30/22
Sample Size Received: 31 gram
Total Amount: 1153 units
Retail Product Size: 0.5 gram
Ordered : 12/30/22
Sampled : 12/30/22
Completed: 01/02/23
Sampling Method: SOP.T.20.010

Jan 02, 2023 | Sanctuary Medicinals
251 East Keene Rd
Apopka, FL, 32703, US

Sanctuary Medicinals

PASSED

PRODUCT IMAGE



SAFETY RESULTS

Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture
PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED

MISC.

Terpenes
TESTED

Cannabinoid

PASSED

Total THC
79.846%
Total THC/Container : 399.23 mg

Total CBD
0.397%
Total CBD/Container : 1.985 mg

Total Cannabinoids
85.555%
Total Cannabinoids/Container : 427.775 mg



	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	79.501	0.394	0.234	0.186	0.551	1.813	0.064	0.823	0.498	ND	1.491
mg/unit	397.505	1.97	1.17	0.93	2.755	9.065	0.32	4.115	2.49	ND	7.455
LOD	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %	0.002 %

Analyzed by:
1665, 585, 3379, 53

Weight:
0.1155g

Extraction date:
12/30/22 20:56:08

Extracted by:
1665

Analysis Method : SOP.T.40.031, SOP.T.30.031
Analytical Batch : DA054153POT
Instrument Used : DA-LC-003 (Derivatives)
Running on : 12/30/22 14:42:48

Reviewed On : 01/02/23 16:25:33
Batch Date : 12/30/22 12:57:53

Dilution : 400
Reagent : 122722.R02; 071222.01; 122722.R04
Consumables : 239146; CE0123; 12265-115CC; 61633-125C6-125E; R1KB14270
Pipette : N/A

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

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Jorge Segredo
Lab Director

State License # CMTL-0002
ISO 17025 Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

01/02/23
Signed On

4131 SW 47th AVENUE SUITE 1408
DAVIE, FL, 33314, US

Kaycha Labs

0.5 RSO Applicator
RSO
Matrix : Derivative

Certificate of Analysis

PASSED

Sanctuary Medicinals

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

Sample : DA21230008-007
Harvest/Lot ID: 7135 2578 8247 5611
Batch# : 1991 6432 8276 9260
Sampled : 12/30/22
Ordered : 12/30/22

Sample Size Received : 31 gram
Total Amount : 1153 units
Completed : 01/02/23 **Expires:** 01/02/24
Sample Method : SOP.T.20.010

Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)
TOTAL TERPENES	0.007	17.63	3.526	
TOTAL TERPINEOL	0.007	0.385	0.077	
CAMPHENE	0.007	<0.1	<0.02	
BETA-MYRCENE	0.007	0.875	0.175	
3-CARENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	ND	ND	
OCIMENE	0.007	ND	ND	
EUCALYPTOL	0.007	ND	ND	
LINALOOL	0.007	1.865	0.373	
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	6.615	1.323	
VALENCENE	0.007	ND	ND	
CIS-NEROLIDOL	0.007	ND	ND	
CEDROL	0.007	ND	ND	
CARYOPHYLLENE OXIDE	0.007	0.2	0.04	
FARNESENE	0	1.35	0.27	
ALPHA-BISABOLOL	0.007	1.22	0.244	
ALPHA-PINENE	0.007	0.31	0.062	
SABINENE	0.007	ND	ND	
BETA-PINENE	0.007	0.275	0.055	
ALPHA-TERPINENE	0.007	ND	ND	
LIMONENE	0.007	1.265	0.253	
GAMMA-TERPINENE	0.007	ND	ND	
TERPINOLENE	0.007	ND	ND	
SABINENE HYDRATE	0.007	ND	ND	
FENCHYL ALCOHOL	0.007	0.57	0.114	
Total (%)			**3.526**	

Terpenes	LOD (%)	mg/unit	%	Result (%)
CAMPHOR	0.013	ND	ND	
BORNEOL	0.013	<0.2	<0.04	
GERANIOL	0.007	ND	ND	
PULEGONE	0.007	ND	ND	
ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-HUMULENE	0.007	2.2	0.44	
TRANS-NEROLIDOL	0.007	0.5	0.1	
GUAIOL	0.007	ND	ND	

Analyzed by: 2076, 585, 3379
Weight: 0.9901g
Extraction date: 12/30/22 22:32:46
Extracted by: 2076

Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL
Analytical Batch : DA054192TER
Instrument Used : DA-GCMS-004
Running on : N/A
Reviewed On : 01/02/23 16:14:22
Batch Date : 12/30/22 20:34:14

Dilution : 10
Reagent : 120722.08
Consumables : 210414634; MKCN9995; CE0123; R1KB14270
Pipette : N/A

Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry.

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Jorge Segredo
Lab Director

State License # CMTL-0002
ISO 17025 Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

01/02/23
Signed On

4131 SW 47th AVENUE SUITE 1408
DAVIE, FL, 33314, US

Kaycha Labs
0.5 RSO Applicator
RSO
Matrix : Derivative

Certificate of Analysis

PASSED

Sanctuary Medicinals

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

Sample : DA21230008-007
Harvest/Lot ID: 7135 2578 8247 5611
Batch# : 1991 6432 8276 9260
Sampled : 12/30/22
Ordered : 12/30/22

Sample Size Received : 31 gram
Total Amount : 1153 units
Completed : 01/02/23 **Expires:** 01/02/24
Sample Method : SOP.T.20.010

Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	ppm	5	PASS	ND
TOTAL DIMETHOMORPH	0.01	ppm	0.2	PASS	ND
TOTAL PERMETHRIN	0.01	ppm	0.1	PASS	ND
TOTAL PYRETHRINS	0.01	ppm	0.5	PASS	ND
TOTAL SPINETORAM	0.01	ppm	0.2	PASS	ND
TOTAL SPINOSAD	0.01	ppm	0.1	PASS	ND
ABAMECTIN B1A	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	0.1	PASS	ND
ACEQUINOCYL	0.01	ppm	0.1	PASS	ND
ACETAMIPRID	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	0.1	PASS	ND
BIFENAZATE	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.1	PASS	ND
BOSCALID	0.01	ppm	0.1	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND
CLOFENTEZINE	0.01	ppm	0.2	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND
DIAZINON	0.01	ppm	0.1	PASS	ND
DICHLORVOS	0.01	ppm	0.1	PASS	ND
DIMETHOATE	0.01	ppm	0.1	PASS	ND
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND
ETOFENPROX	0.01	ppm	0.1	PASS	ND
ETOXAZOLE	0.01	ppm	0.1	PASS	ND
FENHEXAMID	0.01	ppm	0.1	PASS	ND
FENOXYCARB	0.01	ppm	0.1	PASS	ND
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND
FIPRONIL	0.01	ppm	0.1	PASS	ND
FLONICAMID	0.01	ppm	0.1	PASS	ND
FLUDIOXONIL	0.01	ppm	0.1	PASS	ND
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND
IMAZALIL	0.01	ppm	0.1	PASS	ND
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND
MALATHION	0.01	ppm	0.2	PASS	ND
METALAXYL	0.01	ppm	0.1	PASS	ND
METHIOCARB	0.01	ppm	0.1	PASS	ND
METHOMYL	0.01	ppm	0.1	PASS	ND
MEVINPHOS	0.01	ppm	0.1	PASS	ND
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND
NALED	0.01	ppm	0.25	PASS	ND

Pesticide	LOD	Units	Action Level	Pass/Fail	Result
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
PROPICONAZOLE	0.01	ppm	0.1	PASS	ND
PROPOXUR	0.01	ppm	0.1	PASS	ND
PYRIDABEN	0.01	ppm	0.2	PASS	ND
SPIROMESIFEN	0.01	ppm	0.1	PASS	ND
SPIROTETRAMAT	0.01	ppm	0.1	PASS	ND
SPIROXAMINE	0.01	ppm	0.1	PASS	ND
TEBUCONAZOLE	0.01	ppm	0.1	PASS	ND
THIACLOPRID	0.01	ppm	0.1	PASS	ND
THIAMETHOXAM	0.01	ppm	0.5	PASS	ND
TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CAPTAN *	0.07	PPM	0.7	PASS	ND
CHLORDANE *	0.01	PPM	0.1	PASS	ND
CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
CYFLUTHRIN *	0.05	PPM	0.5	PASS	ND
CYPERMETHRIN *	0.05	PPM	0.5	PASS	ND

Analyzed by:	Weight:	Extraction date:	Extracted by:
585, 53, 3379	0.2343g	12/30/22 21:19:03	585

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)
Analytical Batch : DA054159PES
Instrument Used : DA-LCMS-003 (PES)
Running on : 12/31/22 12:39:42
Reviewed On : 01/02/23 16:05:18
Batch Date : 12/30/22 13:35:04

Dilution : 250
Reagent : 122722.R16; 122322.R05; 122722.R21; 122822.R01; 092820.59
Consumables : 6676024-02
Pipette : DA-093; DA-094; DA-219

Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.

Analyzed by:	Weight:	Extraction date:	Extracted by:
450, 585, 3379, 53	0.2343g	N/A	450,585

Analysis Method : SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL
Analytical Batch : DA054161VOL
Instrument Used : DA-GCMS-006
Running on : N/A
Reviewed On : 01/02/23 14:57:47
Batch Date : 12/30/22 13:36:14

Dilution : 25
Reagent : 122322.R05; 092820.59; 120122.R67; 120622.R24
Consumables : 6676024-02; 14725401
Pipette : DA-080; DA-146

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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Jorge Segredo
Lab Director

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ISO 17025 Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

01/02/23
Signed On

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PASSED

Sanctuary Medicinals

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

Sample : DA21230008-007
Harvest/Lot ID: 7135 2578 8247 5611
Batch# : 1991 6432 8276 9260
Sampled : 12/30/22
Ordered : 12/30/22

Sample Size Received : 31 gram
Total Amount : 1153 units
Completed : 01/02/23 **Expires:** 01/02/24
Sample Method : SOP.T.20.010

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	<250
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, 3379

Weight:
0.0261g

Extraction date:
12/30/22 21:12:17

Extracted by:
850

Analysis Method : SOP.T.40.041.FL
Analytical Batch : DA054177SOL
Instrument Used : DA-GCMS-003
Running on : 01/02/23 10:36:36

Reviewed On : 01/02/23 15:06:16
Batch Date : 12/30/22 15:51:50

Dilution : 1
Reagent : 071420.56
Consumables : 27296; R2017.167
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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Lab Director

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Sanctuary Medicinals

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Email: nsatmary@sanctuarymed.com

Sample : DA21230008-007
Harvest/Lot ID: 7135 2578 8247 5611
Batch# : 1991 6432 8276 9260
Sampled : 12/30/22
Ordered : 12/30/22

Sample Size Received : 31 gram
Total Amount : 1153 units
Completed : 01/02/23 **Expires:** 01/02/24
Sample Method : SOP.T.20.010

Microbial — PASSED

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	
LISTERIA MONOCYTOGENES			Not Present	PASS	
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000

Analyzed by: 3621, 585, 3379 **Weight:** 1.0411g **Extraction date:** 12/30/22 20:19:15 **Extracted by:** 3621

Analysis Method : SOP.T.40.056B, SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL
Analytical Batch : DA054182MIC **Reviewed On :** 01/02/23 15:57:00
Instrument Used : PathogenDx Scanner DA-111 **Batch Date :** 12/30/22 19:44:25
Running on : 12/30/22 20:48:01

Dilution : N/A
Reagent : 092022.28; 110822.R31; 052422.10
Consumables : N/A
Pipette : N/A

Analyzed by: 3621, 585, 3379 **Weight:** 1.0411g **Extraction date:** 12/30/22 20:19:15 **Extracted by:** 3621

Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL
Analytical Batch : DA054190TYM **Reviewed On :** 01/02/23 15:46:18
Instrument Used : Incubator (25-27C) DA-097 **Batch Date :** 12/30/22 20:16:59
Running on : 12/30/22 20:48:06

Dilution : N/A
Reagent : 052422.10
Consumables : 004103
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.

Mycotoxins — PASSED

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: 585, 53, 3379 **Weight:** 0.2343g **Extraction date:** N/A **Extracted by:** 585

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 : DA054160MYC **Reviewed On :** 01/02/23 16:01:13
Instrument Used : DA-LCMS-003 (MYC) **Batch Date :** 12/30/22 13:36:11
Running on : 12/31/22 12:39:50

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

Heavy Metals — PASSED

Metal	LOD	Units	Result	Pass / Fail	Action Level
TOTAL CONTAMINANT LOAD METALS	0.11	ppm	ND	PASS	1.1
ARSENIC	0.02	ppm	ND	PASS	0.2
CADMIUM	0.02	ppm	ND	PASS	0.2
LEAD	0.05	ppm	ND	PASS	0.5
MERCURY	0.02	ppm	ND	PASS	0.2

Analyzed by: 1879, 53, 3379 **Weight:** 0.5342g **Extraction date:** 12/30/22 20:47:51 **Extracted by:** 3619,1879

Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL
Analytical Batch : DA054181HEA **Reviewed On :** 01/02/23 16:33:45
Instrument Used : DA-ICPMS-003 **Batch Date :** 12/30/22 19:20:14
Running on : 12/30/22 21:53:10

Dilution : 50
Reagent : 122822.R42; 123022.R14; 122722.R07; 122922.R02; 122722.R05; 122722.R06; 122322.R25; 123022.R15; 100622.35
Consumables : 179436; 210508058; 210803-059
Pipette : DA-061; DA-106; DA-216

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

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Jorge Segredo
Lab Director

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Signature

01/02/23
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Kaycha Labs
0.5 RSO Applicator
RSO
Matrix : Derivative

Certificate of Analysis

PASSED

Sanctuary Medicinals

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Sample : DA21230008-007
Harvest/Lot ID: 7135 2578 8247 5611
Batch# : 1991 6432 8276 9260
Sampled : 12/30/22
Ordered : 12/30/22

Sample Size Received : 31 gram
Total Amount : 1153 units
Completed : 01/02/23 **Expires:** 01/02/24
Sample Method : SOP.T.20.010

Filth/Foreign Material — PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	0.5	%	ND	PASS	1

Analyzed by:	Weight:	Extraction date:	Extracted by:
1879, 3379	NA	N/A	N/A

Analysis Method : SOP.T.40.090
Analytical Batch : DA054200FIL
Instrument Used : Filth/Foreign Material Microscope
Running on : N/A
Reviewed On : 12/30/22 22:29:04
Batch Date : 12/30/22 22:21:34

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:	Weight:	Extraction date:	Extracted by:
3807, 1879, 3379	1.032g	12/30/22 22:33:18	3807

Analysis Method : SOP.T.40.019
Analytical Batch : DA054196WAT
Instrument Used : DA-028 Rotronic Hygropalm
Running on : 12/30/22 22:22:55
Reviewed On : 01/01/23 23:52:36
Batch Date : 12/30/22 20:40:41

Dilution : N/A
Reagent : 100522.08
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.

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

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Signature

01/02/23
Signed On