

Certificate

of Analysis

**Kaycha Labs** 

Tangerine Sun Gems 10ct N/A Matrix: Edible



Sample:GA20629001-001 Harvest/Lot ID: SOFG102-2206-10579 Batch#: THC-DIS-042222 Cultivation Facility: Gainesville Cultivation Processing Facility : Gainesville Processing Seed to Sale# SOFG102-2206-10579 Batch Date: 06/23/22 Sample Size Received: 338 gram Total Batch Size: 2812 units Retail Product Size: 26 gram Ordered : 06/29/22 Sampled : 06/29/22 Completed: 07/02/22 Sampling Method: SOP.T.20.010.FL

Jul 02, 2022 | Liberty Health Sciences, FL 18770 N CR 225 Gainesville, FL, 32609, US



PASSED Page 1 of 5

PRODUCT IM	AGE	SAFETY RESULTS									MISC.
	61-001 GA20623001-001 G	A Pesticides PASSED	Hg Heavy Metals PASSED	Microbial			s Solvents	Filth	Water Activity PASSED	Moisture	Contraction Contra
Ä	Canna	abinoid			70	h	H	P		X7	PASSED
	30	tal THC 3888%		E	30	tal CBD	er : 0 mg		30.3	Cannabinoids 898% Innabinoids/Cont	
%	D9-тнс 0,388	тнса	CBD	CBDA	D8-THC	CBG 0.01	CBGA	CBN <0.01	THCV <0.01	CBDV	CBC <0.01
% mg/unit	100.88	ND	ND	ND	ND	2.6	ND	<0.01	<0.01	ND	<2.6
LOD	<b>0.001</b>	0.001	0.001 %	0.001 %	0.001	0.001	0.001 %	0.001 %	0.001 %	0.001	0.001
Analyzed by:	%	%	%	% Weight:	%	% Extraction date:	%	%	%	% Extracted by:	%
3404, 3600, 250 Analysis Method		L, SOP.T.30.031	/	3.033g		06/29/22 15:34:0	08			3600	$ \rightarrow $
Analytical Batch Instrument Used Running on : 06	d:GA-HPLC-002	2 2040C					On:07/01/2216: e:06/28/2216:37				
Dilution : 40 Reagent : 02032 Consumables : 9	22.R09; 010421 947.271; H2036	48; 060922.11; 0929; 4; 9291.271; LLS-00-0 004; GA-011; GA-169 (I	005; 12455-202CD-	202C; R0NB32898;	000000146137; 94	44C4 944J; 210268; :	206639		$\langle \rangle$		

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

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Testing 97164

Signature

07/02/22



Kaycha Labs

Tangerine Sun Gems 10ct N/A Matrix : Edible



### PASSED

# **Certificate of Analysis**

Liberty Health Sciences, FL

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18770 N CR 225 Gainesville, FL, 32609, US Telephone: (833) 254-4877 Email: Qualityassurance@libertyhealthsciences.com Sample : GA20629001-001 Harvest/Lot ID: SOFG102-220-610579 Batch# : THC-DIS-042222 Sampled : 06/29/22 Ordered : 06/29/22 Complet

J6-10579 Sample Size Received : 338 gram Total Batch Size : 2812 units Completed : 07/02/22 Expires: 07/02/23 Sample Method : SOP.T.20.010

# Page 2 of 5

PASSED

# Pesticides

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide			
TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	PPM	30	PASS	ND	PROPICONAZOLE			
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PROPOXUR			
ACEPHATE	0.01	ppm	3	PASS	ND	PYRETHRINS			
ACEQUINOCYL	0.01	ppm	2	PASS	ND	PYRIDABEN			
ACETAMIPRID	0.01	ppm	3	PASS	ND				
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROMESIFEN			
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	SPIROTETRAMAT			
BIFENAZATE	0.01	ppm	3	PASS	ND	SPIROXAMINE			
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	TEBUCONAZOLE			
BOSCALID	0.01	PPM	3	PASS	ND	THIACLOPRID			
CARBARYL	0.01	ppm	0.5	PASS	ND	THIAMETHOXAM			
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN			
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	PENTACHLORONITROB	NZENE (PCN	B) *	
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	PARATHION-METHYL *		-,	
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND				
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	CAPTAN *			
COUMAPHOS	0.01	ppm	0.1	PASS	ND	CHLORDANE *			
DAMINOZIDE	0.01	ppm	0.1	PASS	ND	CHLORFENAPYR *			
DIAZINON	0.01	ppm	3	PASS	ND	CYFLUTHRIN *			
DICHLORVOS	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *			
DIMETHOATE	0.01	ppm	0.1	PASS	ND	Analyzed by:		Weight	
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	3404, 3575, 3303, 1541		1.09690	
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T	.30.101.FL, SC	OP.T.30.1	
ETOXAZOLE	0.01	ppm	1.5	PASS	ND	SOP.T.40.151.FL			
FENHEXAMID	0.01	ppm	3	PASS	ND	Analytical Batch : GA040			
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-LC Running on : 06/30/22 1			
FENPYROXIMATE	0.01	ppm	2	PASS	ND	Dilution : 10	7:00:11		
FIPRONIL	0.01	ppm	0.1	PASS	ND	Reagent : 060422.R38: (	160422 B36.0	61222 B	
FLONICAMID	0.01	maa	2	PASS	ND	Consumables : 947.271; 470228-424; 9291.2 Pipette : GA-150; GA-210 Dispenser			
FLUDIOXONIL	0.01	ppm	3	PASS	ND				
ΗΕΧΥΤΗΙΑΖΟΧ	0.01	maa	2	PASS	ND	Testing for agricultural ag	ents is perform	ned utilizi	
MAZALIL	0.01	ppm	0.1	PASS	< 0.05	Spectrometry and Gas Chi	romatography <sup>*</sup>	Triple-Qu	
IMIDACLOPRID	0.01	ppm	1	PASS	ND	64ER20-39.			
KRESOXIM-METHYL	0.01	maa	1	PASS	ND	Analyzed by:	Weight:	E	
MALATHION	0.01	ppm	2	PASS	ND	N/A	N/A	T 40.000	
METALAXYL	0.01	ppm	3	PASS	ND	Analysis Method : SOP.T Analytical Batch : GA040		1.40.060	
METHIOCARB	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-G			
METHOCAKB	0.01	ppm	0.1	PASS	ND	Running on :07/01/22 03			
METHOMTE MEVINPHOS	0.01	ppm	0.1	PASS	ND	Dilution : 100			
MYCLOBUTANIL	0.01	ppm	3	PASS	ND	Reagent : 060422.R38; (			
NALED	0.01	ppm	0.5	PASS	ND	Consumables : 947.271;		9291.27	
OXAMYL	0.01	mag	0.5	PASS	ND	15144001; 944C4 944J; 2		210 0	
	0.01	ppm	0.5	PASS	ND	Pipette : GA-004; GA-14			
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND	Testing for agricultural ag Spectrometry and Gas Chi			
DUOCMET		UDITI	0.2	PASS	ND	spectrometry and Gas Chi	omalography	inple-Qu	
PHOSMET PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND	64ER20-39.			

						_
Pesticide		LOD	Units	Action Level	Pass/Fail	Result
PROPICONAZOLE		0.01	ppm	1	PASS	< 0.05
PROPOXUR		0.01	ppm	0.1	PASS	ND
PYRETHRINS		0.01	ppm	1	PASS	ND
PYRIDABEN		0.01	ppm	3	PASS	ND
SPIROMESIFEN		0.01	ppm	3	PASS	ND
SPIROTETRAMAT		0.01	ppm	3	PASS	ND
SPIROXAMINE		0.01	ppm	0.1	PASS	ND
TEBUCONAZOLE		0.01	ppm	1	PASS	ND
THIACLOPRID		0.01	ppm	0.1	PASS	ND
HIAMETHOXAM		0.01	ppm	1	PASS	ND
TRIFLOXYSTROBIN		0.01	ppm	3	PASS	ND
PENTACHLORONITROBENZE	NE (PCNB) *	0.01	PPM	0.2	PASS	ND
PARATHION-METHYL *		0.01	PPM	0.1	PASS	ND
CAPTAN *		0.07	PPM	3	PASS	ND
CHLORDANE *		0.01	PPM	0.1	PASS	ND
CHLORFENAPYR *		0.01	PPM	0.1	PASS	ND
CYFLUTHRIN *		0.05	PPM	1	PASS	ND
CYPERMETHRIN *		0.05	PPM	1	PASS	ND
Analyzed by: 3404, 3575, 3303, 1541	Wei 1.09		Extraction 06/30/22 14		Extract 3575	ed by:
Analysis Method : SOP.T.30.1 SOP.T.40.151.FL Analytical Batch : GA046102 Instrument Used : GA-LCMS- Running on :06/30/22 17:06:	PES 001 PES	30.102.FL, S	Reviewed	51.FL, SOP.T.4 <b>I On :</b> 07/01/2 <b>te :</b> 06/28/22	2 11:43:12	.T.40.102
Dilution : 10 Reagent : 060422.R38; 0604 Consumables : 947.271; 470 Pipette : GA-150; GA-210 Dis	228-424; 9291 spenser	271; LLS-0	0-0005; 89			
Festing for agricultural agents Spectrometry and Gas Chroma 54ER20-39.						
N/A N,	<b>/eight:</b> /A	Extraction N/A	on date:		Extracted by N/A	
Analysis Method :SOP.T.30.0 Analytical Batch :GA046225 nstrument Used :GA-GCMS- Running on :07/01/22 08:13:	VOL -006	R		n:07/01/22 ( :06/30/22 15		
Dilution : 100 Reagent : 060422.R38; 0604 Consumables : 947.271; 470	22.R36; 06122				055173; 2102	68;

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.

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#### Rob Bruton

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07/02/22



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Tangerine Sun Gems 10ct N/A Matrix : Edible



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Liberty Health Sciences, FL

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18770 N CR 225 Gainesville, FL, 32609, US Telephone: (833) 254-4877 Email: Qualityassurance@libertyhealthsciences.com Sample : GA20629001-001 Harvest/Lot ID: SOFG102-2206-10579 Batch# : THC-DIS-042222 Sampled : 06/29/22 Ordered : 06/29/22

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## **Residual Solvents**

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
FOLUENE	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	

Analytical Batch : GA046152SOL Instrument Used : GA-GCMS-004 QP2020NX Running on : 06/29/22 12:45:24

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.

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Signature

07/02/22



Kaycha Labs

Tangerine Sun Gems 10ct N/A Matrix : Edible



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Liberty Health Sciences, FL

Gainesville, FL, 32609, US

18770 N CR 225 Gainesville, FL, 32609, US Telephone: (833) 254-4877 Email: Qualityassurance@libertyhealthsciences.com Sample : GA20629001-001 Harvest/Lot ID: SOFG102-2206-10579 Batch# : THC-DIS-042222 Sampled : 06/29/22 Ordered : 06/29/22

Sample Size Received : 338 gram Total Batch Size : 2812 units Completed : 07/02/22 Expires: 07/02/23 Sample Method : SOP.T.20.010

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4														
- Coles	Microbia	al			PAS	SED	သို့	Мусо	toxins	5			PAS	SED
Analyte	$\langle \rangle$	LOD	Units	Result	Pass / Fail	Action	Analyte		ξ	LOD	Units	Result	Pass / Fail	Action
ESCHERICHI	A COLI SHIGELLA			Not Present	PASS	Level	AFLATOXIN I	32		0.002	ppm	ND	PASS	0.02
SPP							AFLATOXIN I	31		0.002	ppm	ND	PASS	0.02
SALMONELL	A SPECIFIC GENE			Not Present	PASS		OCHRATOXIN	A		0.002	ppm	ND	PASS	0.02
ASPERGILLU	S FLAVUS			Not Present	PASS		AFLATOXIN O	G1		0.002	ppm	ND	PASS	0.02
ASPERGILLU	S FUMIGATUS			Not Present	PASS		AFLATOXIN O	G2		0.002	ppm	ND	PASS	0.02
ASPERGILLU	S TERREUS			Not Present	PASS		Analyzed by:		Weight:	Extract	ion date:	200	Extracte	ed by:
ASPERGILLU				Not Present	PASS		3404, 3575, 33	03, 1541	1.0969g		22 14:48:0	6	3575	eu by.
TOTAL YEAS	T AND MOLD	10	CFU/g	<10	PASS	100000	Analysis Metho	d: SOP.T.30.101.	FL. SOP.T.40.	101.FL. S	OP.T.30.1	02.FL. SOF	.T.40.102	2.FL
Analyzed by: 3404, 1790, 15	41 Weight 1.05g		action date: )1/22 14:59:0	04	Extracted 1790	by:	Analytical Bato Instrument Use	h: GA046224MY0 ed: GA-LCMS-001 6/30/22 17:06:01		Revie	ewed On :	07/01/22 1 /30/22 15:	1:44:35	
Instrument Us RTPCR	h:GA046182MIC ed:GA-MIC-001 bioMé	rieux Gene		wed On : 07/02 Date : 06/29/2				oxin_b2; aflatoxir 0.02; 0.02; 0.02;		_g1; afla	toxin_g2			
Running on : 0	7/01/22 15:00:35						- Mucotoxins tost	ing utilizing Liguid C	bromotography	with Tripl	o Quadrupo	lo Mass Spr	octromotry	in
61630-123C6- Pipette : GA-0 Microbial testing	SSC006; 2030190; BL 123E; 8LCJ0511R; 100 L8; GA-021; GA-154 is performed utilizing va chniques in accordance v	8776120 rious techno	ologies includir	ng: PCR, RTPCR,			[Hg]	Heavy	Meta	$\Delta /$	$\langle \rangle$	$\square$		SED
Analyzed by:	Weight:		tion date:	Ex			- Metal			LOD	Units	Result		Action
					tracted by:		Hetai						Fail	Level
N/A	N/A	N/A		N/A			ARSENIC			0.02	PPM	ND	Fail PASS	Level 1.5
N/A Analysis Meth	d:SOP.T.40.041	N/A	+	N//	A	2.00.50.51	ARSENIC			0.02	PPM	ND ND	PASS PASS	<b>Level</b> 1.5 0.5
N/A Analysis Meth Analytical Bat Instrument Us			po Filler and	N// Reviewed O	A 0n:07/02/2		ARSENIC						PASS	<b>Level</b> 1.5
N/A Analysis Metho Analytical Bato Instrument Us Reader Running on : N	d:SOP.T.40.041 h:GA046183TYM ed:GA-TYM-001 bioM		po Filler and	N// Reviewed O	A 0n:07/02/2		ARSENIC CADMIUM MERCURY	17, 1541	Weight: 0.5101g	0.02 0.02 0.05 Extract	PPM PPM	ND ND ND	PASS PASS PASS	Level 1.5 0.5 3 0.5
N/A Analysis Meth Analytical Bat Instrument Us Reader Running on : N Dilution : 90 Reagent : 052 Consumables : Pipette : GA-1	d: SOP.T.40.041 h: GA046183TYM ed: GA-TYM-001 bioM /A 522.09 2030190; 2304090; 2 34	érieux Tem 304090; G	A-185; 6163	N// Reviewed O Batch Date 0-123C6-123E	A Dn:07/02/2 :06/29/22	19:51:04	ARSENIC CADMIUM MERCURY LEAD Analyzed by: 3404, 3571, 33 Analysis Metho Analytical Bacc Instrument Use	d:SOP.T.30.081. h:GA046164HE4 ed:GA-ICPMS-002	0.5101g FL, SOP.T.30.	0.02 0.02 0.05 Extract 06/30/2 082.FL, S Review	PPM PPM PPM 22 10:44:0 OP.T.40.00 ed On : 06	ND ND ND	PASS PASS PASS PASS Extracter 3571	Level 1.5 0.5 3 0.5 ed by:
N/A Analysis Meth Analytical Bat Instrument Us Reader Running on : N Dilution : 90 Reagent : 052 Consumables : Pipette : GA-1 Total yeast and	d: SOP.T.40.041 h: GA046183TYM ed: GA-TYM-001 bioM /A 522.09 2030190; 2304090; 2	érieux Tem 304090; G	A-185; 6163	N// Reviewed O Batch Date 0-123C6-123E	A Dn:07/02/2 :06/29/22	19:51:04	ARSENIC CADMIUM MERCURY LEAD Analyzed by: 3404, 3571, 33 Analysis Metho Analytical Bato Instrument Use Running on : N Dilution : 100 Reagent : 0416 062222.R63; 0 Consumables :	d: SOP.T.30.081. h: GA046164HEA ed: GA-ICPMS-002 /A 522.R02; 051622.	0.5101g FL, SOP.T.30. R03; 041722.	0.02 0.02 0.05 Extract 06/30/2 082.FL, S Review Batch E	PPM PPM 22 10:44:0 OP.T.40.03 ed On : 06 Date : 06/2	ND ND 4 81.FL, SOP /30/22 16: 9/22 14:01 061621.03	PASS PASS PASS Extractor 3571 2.T.40.082 54:14 1:09	Level 1.5 0.5 3 0.5 ed by: 2.FL

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Signature

07/02/22



**Kaycha Labs** 

Tangerine Sun Gems 10ct N/A Matrix : Edible



## PASSED

Page 5 of 5

PASSED

By:

# **Certificate of Analysis**

Result

ND

P/F

PASS

Liberty Health Sciences, FL

Analyte

Analyzed by: 3404, 3600, 1541

Running on : N/A

Consumables : N/A

Dilution : N/A Reagent : N/A

Pipette : N/A

Analyte

Water Activity

Analyzed by: 3404, 3599, 1541

Running on :  $\ensuremath{\mathbb{N}}\xspace/\ensuremath{\mathbb{A}}\xspace$ Dilution : N/A Reagent : N/A Consumables : 107264 Pipette : N/A

Instrument Used : N/A

Analysis Method : SOP.T.40.019 Analytical Batch : GA046163WAT

**Filth and Foreign Material** 

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

Material

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

Analytical Batch : GA046162FIL Instrument Used : GA-Filth/Foreign Material Microscope

Filth/Foreign

Weight: 162.0593g

Water Activity

Weight: 2.6649g

LOD

0.1

LOD Units

%

Filth and foreign material inspection is performed by visual inspection utilizing naked eye and microscope technologies in accordance with F.S. Rule 64ER20-39.

Units

Extraction date:

06/29/22 15:25:15

aw

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

Result

0.667

Reviewed On : 06/30/22 15:52:24

Batch Date : 06/29/22 14:00:33

P/F

PASS

Extraction date

06/29/22 13:56:15

1

Sample : GA20629001-001 Harvest/Lot ID: SOFG102-2206-10579 Batch# : THC-DIS-042222 Sampled : 06/29/22 Ordered : 06/29/22

PASSED

5

3600

**Reviewed On :** 06/30/22 08:18:26 **Batch Date :** 06/29/22 13:55:41

PASSED

Action Level

0.85

Extracted by: 3599

Extracted by:

Action Level

Sample Size Received : 338 gram Total Batch Size : 2812 units Completed : 07/02/22 Expires: 07/02/23 Sample Method : SOP.T.20.010

### Homogeneity

Amount of tests condu	ucted : 24				8		
Analyte	LOD	Units	Pass/Fail	Result	Action Level		
TOTAL THC - HOMOGENEITY (RSD)	0.001	%	PASS	2.892	25		
TOTAL CBD - HOMOGENEITY (RSD)	0.001	%	PASS	< 0.01	25		
Analyzed by	Average Weight	Extra	ction date :		Extracted		
3404, 3599, 2507, 1541	2.784g	06/30/22 09:18:51		3599			
Analysis Method : SOP.T.30.111.Fl	L, SOP.T.40.1	11.FL					
Analytical Batch : GA046167HOM		Reviewed On : 07/01/22 11:46:27					
Instrument Used : GA-HPLC-002 H Running on : N/A	ОМ	Batch	Date: 06/29/2	22 14:03:0	8		
Dilution : 10		N V	VVX				

Dilution : 40 Reagent: 020322.R09; 051822.01; 020122.01; 062822.31; 060422.R40; 060822.R51 Consumables : 947.109; 470228-424; 9291.271; LLS-00-0005; 12455-202CD-202C; 000000146137; 944C4 944J; 210268; 1925V328 Pipette : GA-002; GA-004; GA-005; GA-153; GA-150

Homogeneity testing is performed utilizing High Performance Liquid Chromatography with UV detection in accordance with F.S. Rule 64ER20-39.

This Kaycha Labs Cerfitication 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.

#### **Rob Bruton**

Lab Director State License # CMTL-0001 ISO Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164

Signature

07/02/22