16 Tech Circle, Suite 201
Natick, MA, 01760, US
(301) 399-1403

Kaycha Labs

M00002666020: HAWAIIAN DREAM-FLOWER BATCH
HAWAIIAN DREAM
Matrix: Plant Material
Type: Flower-Cured

Certificate of Analysis

Sample:NA40524001-016
Batch#: FL-HADR-B-15241
Metrc Source Package # : 1A40A0300006785000015241
METRC Package# 1A40A0300006785000011616
Manifest #: 0002254811
Sample Size Received: 8 gram
Servings: 1
Ordered: 05/24/24
Sampled: 05/24/24
Completed: 05/30/24

May 30, 2024 | Mayflower - Massachusetts
1100 Innovation Way
Fall River, MA, 02720, US
License# : MC282690

PASSED

SAFETY RESULTS

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

MISC.

Terpenes
TESTED

Cannabinoid

PASSED

Total THC
18.7733%

Total CBD
ND

Total Cannabinoids
21.7963%

	D9-THC	THCA	CBD	CBDA	CBG	CBN	CBDV	CBGA	THCV	THCVA	CBC	D8-THC
%	0.7151	20.5909	ND	ND	0.1107	ND	ND	0.2435	ND	0.1361	ND	ND
mg/g	7.151	205.909	ND	ND	1.107	ND	ND	2.435	ND	1.361	ND	ND
LOD	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
LOQ	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by:
865, 53, 81, 795

Weight:
0.2009g

Extraction date:
05/28/24 09:03:16

Extracted by:
865

Analysis Method : SOP.T.30.031, SOP.T.40.031
Analytical Batch : NA014056POT
Instrument Used : NA-HPLC-004 (Potency - Flower)
Analyzed Date : 05/28/24 11:57:03

Reviewed On : 05/29/24 12:33:46
Batch Date : 05/26/24 09:51:36

Dilution : 400
Reagent : 083122.02; 052624.R01; 032524.17; 050224.10; 052124.R03; 052424.R01
Consumables : 9291.271; 9479291.271; 112121CK01; 120123CH01; 04311046; 220001; 1LCJ1111R; 1008702142; 264849; 210118R; 220215E-15; 303122060
Pipette : NA-014 (P-200); NA-015 (P-10); NA-009 (P-1000)

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.031 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.031 for analysis. LOQ for all cannabinoids is 0.5 mg/L). Total THC = d9THC + (THCA*0.877). Total CBD = CBD + (CBDA*0.877). Total Cannabinoids = Total of all available cannabinoids. THCVa is pending ISO accreditation.

Rene Schalk
Lab Director

State License # IL281349
ISO 17025 Accreditation # 97164

Signature
05/30/24

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Kaycha Labs

M00002666020: HAWAIIAN DREAM-FLOWER BATCH
HAWAIIAN DREAM
Matrix : Plant Material
Type: Flower-Cured

Certificate of Analysis

PASSED

Mayflower - Massachusetts

1100 Innovation Way
Fall River, MA, 02720, US
Telephone: (818) 522-7040
Email: John.Nunes@ianthus.com
License# : MC282690

Sample : NA40524001-016
Batch# : FL-HADR-B-15241
Sampled : 05/24/24
Ordered : 05/24/24

Sample Size Received : 8 gram
Completed : 05/30/24 **Expires:** 05/30/25
Sample Method : SOP Client Method

Terpenes

TESTED

Terpenes	LOD (%)	LOQ (%)	mg/g	%	Result (%)
BETA-MYRCENE	0.020	0.020	7.87	0.787	
BETA-CARYOPHYLLENE	0.020	0.020	7.35	0.735	
ALPHA-PINENE	0.020	0.020	2.34	0.234	
ALPHA-HUMULENE	0.020	0.020	2.07	0.207	
ALPHA-BISABOLOL	0.020	0.020	1.64	0.164	
LIMONENE	0.020	0.020	1.52	0.152	
LINALOOL	0.020	0.020	1.34	0.134	
BETA-PINENE	0.020	0.020	1.32	0.132	
CARYOPHYLLENE OXIDE	0.020	0.020	0.30	0.030	
FENCHYL ALCOHOL	0.020	0.020	0.27	0.027	
TRANS-NEROLIDOL	0.020	0.020	0.26	0.026	
FARNESENE	0.020	0.020	0.24	0.024	
ALPHA-TERPINEOL	0.020	0.020	0.22	0.022	
3-CARENE	0.020	0.020	ND	ND	
BORNEOL	0.020	0.020	ND	ND	
CAMPHENE	0.020	0.020	ND	ND	
CAMPHOR	0.020	0.020	ND	ND	
CEDROL	0.002	0.020	ND	ND	
EUCALYPTOL	0.020	0.020	ND	ND	
FENCHONE	0.020	0.020	ND	ND	
GERANIOL	0.020	0.020	ND	ND	
GERANYL ACETATE	0.020	0.020	ND	ND	
GUAIOL	0.020	0.020	ND	ND	
HEXAHYDROTHYMOL	0.020	0.020	ND	ND	
ISOBORNEOL	0.020	0.020	ND	ND	
ISOPULEGOL	0.020	0.020	ND	ND	
NEROL	0.020	0.020	ND	ND	
OCIMENE	0.020	0.020	ND	ND	
PULEGONE	0.020	0.020	ND	ND	
SABINENE	0.020	0.020	ND	ND	
SABINENE HYDRATE	0.020	0.020	ND	ND	
Total (%)			**2.674**		

Terpenes	LOD (%)	LOQ (%)	mg/g	%	Result (%)
TERPINOLENE	0.020	0.020	ND	ND	
VALENCENE	0.020	0.020	ND	ND	
ALPHA-CEDRENE	0.020	0.020	ND	ND	
ALPHA-PHELLANDRENE	0.020	0.020	ND	ND	
ALPHA-TERPINENE	0.020	0.020	ND	ND	
CIS-NEROLIDOL	0.020	0.020	ND	ND	
GAMMA-TERPINENE	0.020	0.020	ND	ND	
P-CYMENE	0.020	0.020	ND	ND	

Analyzed by: 623, 81, 795
Weight: 0.5156g
Extraction date: 05/25/24 14:20:40
Extracted by: 623

Analysis Method : SOP.T.30.064.MA, SOP.T.40.064.MA
Analytical Batch : NA014035TER
Instrument Used : NA-GCMS-004 (Terpenes)
Analyzed Date : 05/25/24 15:46:58
Reviewed On : 05/30/24 10:18:56
Batch Date : 05/24/24 15:54:30

Dilution : 10
Reagent : 120623.01; 041624.05; 050324.08; 051624.R02
Consumables : 20220108; 9291.271; 9479291.271; 112121CK01; 231127-634-A; 4052-629; 1008702142; 264849; GD220018; 292128210
Pipette : NA-012 (P-200); NA-017 (P-20); NA-307 (P-1000)

Terpenoid profile screening is performed using Terpene sample preparation SOP.T.30.064.MA and analyzed using a GC-MS using Method SOP.T.40.064.MA which can screen for 39 terpenes. *p-cymene is not an accredited analyte.

Rene Schalk
Lab Director

State License # IL281349
ISO 17025 Accreditation # 97164

Signature
05/30/24

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Kaycha Labs

M00002666020: HAWAIIAN DREAM-FLOWER BATCH
HAWAIIAN DREAM
Matrix : Plant Material
Type: Flower-Cured

Certificate of Analysis

PASSED

Mayflower - Massachusetts

1100 Innovation Way
Fall River, MA, 02720, US
Telephone: (818) 522-7040
Email: John.Nunes@ianthus.com
License# : MC282690

Sample : NA40524001-016
Batch# : FL-HADR-B-15241
Sampled : 05/24/24
Ordered : 05/24/24

Sample Size Received : 8 gram
Completed : 05/30/24 **Expires:** 05/30/25
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticide	LOD	LOQ	Units	Action Level	Pass/Fail	Result
BIFENTHRIN	2.240	10.000	ppb	10	PASS	ND
BIFENAZATE	2.460	10.000	ppb	10	PASS	ND
ETOXAZOLE	1.790	10.000	ppb	10	PASS	ND
IMAZALIL	3.050	10.000	ppb	10	PASS	ND
IMIDACLOPRID	1.860	10.000	ppb	10	PASS	ND
MYCLOBUTANIL	2.900	10.000	ppb	10	PASS	ND
SPIROMESIFEN	2.970	10.000	ppb	10	PASS	ND
TRIFLOXYSTROBIN	1.560	10.000	ppb	10	PASS	ND

Pesticide	LOD	LOQ	Units	Action Level	Pass/Fail	Result
CYFLUTHRIN *	3.750	10.000	ppb	10	PASS	ND

Analyzed by: 414, 139, 81, 795
Weight: 0.4651g
Extraction date: 05/29/24 09:41:48
Extracted by: 735,414

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA014041PES
Instrument Used : NA-LCMS-001 (Pesticides)
Analyzed Date : 05/28/24 16:32:02
Reviewed On : 05/30/24 10:21:47
Batch Date : 05/24/24 16:14:42

Dilution : 12.5
Reagent : 052324.R05; 120623.01; 051424.R08; 051424.R07; 060922.01; 042524.R06
Consumables : 9291.271; 9479291.271; 231127-634-A; 04311046; USEEN01930; USEEZ03525; USEEZ03656; 9LCJ1611R; 1008702142; 264849; GD220018; 292128210; 23-47; 17473602
Pipette : NA-014 (P-200); NA-021 (P-20); NA-009 (P-1000)

Pesticide screen is performed using LC-MS and GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 9 Pesticides. (Method: SOP.T.40.104.MA - Pesticides and Mycotoxins Analysis via LC-MSMS and SOP.T40.154.MA - Volatile Pesticide Analysis vis GC-MSMS).

Analyzed by: 414, 81, 795
Weight: 0.4651g
Extraction date: 05/25/24 14:58:31
Extracted by: 735,414

Analysis Method : SOP.T.40.154.MA
Analytical Batch : NA014064VOL
Instrument Used : NA-GCMS-001 (Volatile Pesticides)
Analyzed Date : N/A
Reviewed On : 05/29/24 17:59:28
Batch Date : 05/28/24 08:35:11

Dilution : 12.5
Reagent : 052324.R05; 120623.01; 051424.R08; 051424.R07; 060922.01; 042524.R06
Consumables : 9291.271; 9479291.271; 231127-634-A; 04311046; 9LCJ1611R; 1008702142; 264849; GD220018; 292128210; 23-47; 17473602
Pipette : NA-014 (P-200); NA-021 (P-20); NA-009 (P-1000)

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.

Rene Schalk
Lab Director

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Signature
05/30/24

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Kaycha Labs

M00002666020: HAWAIIAN DREAM-FLOWER BATCH
HAWAIIAN DREAM
Matrix : Plant Material
Type: Flower-Cured

Certificate of Analysis

PASSED

Mayflower - Massachusetts

1100 Innovation Way
Fall River, MA, 02720, US
Telephone: (818) 522-7040
Email: John.Nunes@ianthus.com
License# : MC282690

Sample : NA40524001-016
Batch# : FL-HADR-B-15241
Sampled : 05/24/24
Ordered : 05/24/24
Sample Size Received : 8 gram
Completed : 05/30/24 **Expires:** 05/30/25
Sample Method : SOP Client Method

Microbial — PASSED

Analyte	LOD	Units	Result	Pass / Fail	Action Level
TOTAL COLIFORMS	10	cfu/g	ND	PASS	1000
TOTAL VIABLE AEROBIC BACTERIA	10	cfu/g	ND	PASS	100000
BILE TOLERANT GRAM NEGATIVE BACTERIA	10	cfu/g	ND	PASS	1000
TOTAL YEAST AND MOLD	100	cfu/g	ND	PASS	10000
ESCHERICHIA COLI SPECIFIC GENE			Not Present	PASS	
SALMONELLA SPECIFIC GENE			Not Present	PASS	

Analyzed by: 514, 711, 81, 795
Weight: 1.0731g
Extraction date: 05/25/24 10:02:43
Extracted by: 785,795

Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA
Analytical Batch : NA014031MIC
Instrument Used : NA-PCR-001 (Microbial)
Analyzed Date : N/A
Reviewed On : 05/29/24 17:57:47
Batch Date : 05/24/24 14:58:12

Dilution : 900
Reagent : 052024.R03; 050924.R04; 052424.R03
Consumables : 240123; 2203232; 200103-274; BEL-13166-0001; 27922051; 120123CH01; 014310; 339402; 008307; 6621113; 505AQG31923; X002BSDL8D; 01202908; TJ160G; 306321; 21334; 17723011; 0001432; 0001420; 7574001067; WO3676; WO3783; WO3961; 0001407; 0001222; 0001222; 0000887; 0001297; 0001490; 7804002036; 0001464; 0001072; WO3890; WO3861; 0001072; 0001155; 0000567165; 0000567011; 0000535389; 1008915282; 9LCJ1611R; 210702-306-D; 1008755271
Pipette : NA-001 (P-20, micro); NA-008 (P-10, micro); NA-011 (P-1000, Micro); NA-007 (P-200, micro); NA-003 (P-10 multi, micro); NA-006 (P-200, micro); NA-004 (P-100 multi, micro); NA-010 (P-1000, micro); NA-005 (P-200, micro); NA-002 (P-100 multi, micro); NA-164 (P-10, micro); NA-200 (P-300 multi, micro); NA-208 (P-200, micro); NA-208A (P-1000, micro); NA-207 (P-20, micro); NA-206 (P-20, micro); NA-206A (P-200, micro); NA-207A (P-1000, micro); NA-210 Micro bottle top dispenser; NA-211 Micro bottle top dispenser; NA-213 Micro bottle top dispenser

Mycotoxins — PASSED

Analyte	LOD	LOQ	Units	Result	Pass / Fail	Action Level
AFLATOXIN B1	2.010	5.000	ppb	ND	PASS	20
AFLATOXIN B2	1.955	5.000	ppb	ND	PASS	20
AFLATOXIN G1	1.823	5.000	ppb	ND	PASS	20
AFLATOXIN G2	2.100	5.000	ppb	ND	PASS	20
OCHRATOXIN A	2.194	5.000	ppb	ND	PASS	20
TOTAL AFLATOXINS	1.820	5.000	ppb	ND	PASS	20

Analyzed by: 414, 139, 81, 795
Weight: 0.4651g
Extraction date: 05/25/24 14:58:31
Extracted by: 735,414

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA014065MYC
Instrument Used : NA-LCMS-001 (MYC)
Analyzed Date : 05/28/24 16:32:15
Reviewed On : 05/30/24 10:33:54
Batch Date : 05/28/24 08:36:11

Dilution : 12.5
Reagent : 052324.R05; 120623.01; 051424.R08; 051424.R07; 060922.01; 042524.R06
Consumables : 9291.271; 9479291.271; 231127-634-A; 04311046; USEEN01930; USEEZ03525; USEEZ03656; 9LCJ1611R; 1008702142; 264849; GD220018; 292128210; 23-47; 17473602
Pipette : NA-014 (P-200); NA-021 (P-20); NA-009 (P-1000)

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T40.104.MA Pesticides and Mycotoxins Analysis via LC-MS/MS. LOQ 20 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20 µg/Kg. Ochratoxins must be <20 µg/Kg.

Heavy Metals — PASSED

Metal	LOD	LOQ	Units	Result	Pass / Fail	Action Level
ARSENIC	6.720	10.000	ppb	ND	PASS	200
CADMIUM	9.260	10.000	ppb	ND	PASS	200
MERCURY	3.400	5.000	ppb	<5.000	PASS	100
LEAD	8.850	10.000	ppb	ND	PASS	500

Analyzed by: 687, 81, 795
Weight: 0.4653g
Extraction date: 05/28/24 10:27:41
Extracted by: 687

Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA
Analytical Batch : NA014047HEA
Instrument Used : NA-ICPMS-001
Analyzed Date : 05/28/24 12:31:42
Reviewed On : 05/29/24 09:40:05
Batch Date : 05/25/24 10:16:37

Dilution : 50
Reagent : 042424.01; 041524.R11; 041524.R10; 050624.R06; 030424.R04; 110823.02; 020624.06; 040224.04
Consumables : 27922051; 34623011; 1008702142; 264849; GD220018
Pipette : NA-016 (P-1000), 365592J; NA-203 (P-200); NA-284 (P-5mL)

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.084.MA Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.084.MA Heavy Metals Analysis via ICP-MS.

Rene Schalk
Lab Director

State License # IL281349
ISO 17025 Accreditation # 97164

Signature
05/30/24

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Kaycha Labs

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HAWAIIAN DREAM
Matrix : Plant Material
Type: Flower-Cured

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PASSED

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Email: John.Nunes@ianthus.com
License# : MC282690

Sample : NA40524001-016
Batch# : FL-HADR-B-15241
Sampled : 05/24/24
Ordered : 05/24/24

Sample Size Received : 8 gram
Completed : 05/30/24 **Expires:** 05/30/25
Sample Method : SOP Client Method

Moisture

PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Moisture Content	0.100	%	9.040	TESTED	

Analyzed by:	Weight:	Extraction date:	Extracted by:
870, 81, 795	0.509g	05/28/24 12:25:52	870

Analysis Method : SOP.T.40.021.MA
Analytical Batch : NA014054MOI
Reviewed On : 05/28/24 14:22:50
Instrument Used : NA-038 Moisture Analyzer,NA-199 Moisture Analyzer,NA-236 Moisture Analyzer
Batch Date : 05/25/24 14:01:25
Analyzed Date : N/A

Dilution : N/A
Reagent : N/A
Consumables : N/A
Pipette : N/A

Moisture Content analysis is performed by using a moisture analyzer balance using SOP.T.40.021.MA

Rene Schalk
Lab Director

State License # IL281349
ISO 17025 Accreditation # 97164

Signature
05/30/24