



Certificate of Analysis

Sample: NA40223009-006
Batch#: FL-9LBH-B-15043
Metric Source Package # :
1A40A0300006785000015043
METRC Package# 1A40A0300006785000011422
Manifest #: 0002092819
Sample Size Received: 8 gram
Ordered: 02/23/24
Sampled: 02/23/24
Completed: 02/27/24
PASSED

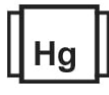
Feb 27, 2024 | Mayflower - Massachusetts

1100 Innovation Way
Fall River, MA, 02720, US
License# : MC282690


Pages 1 of 5

PRODUCT IMAGE

SAFETY RESULTS

Pesticides
PASSED

Heavy Metals
PASSED

Microbials
PASSED

Mycotoxins
PASSED

Residuals Solvents
NOT TESTED

Filtration
NOT TESTED

Water Activity
NOT TESTED

Moisture
PASSED

Terpenes
TESTED
MISC.

Cannabinoid
PASSED

Total THC
18.6882%

Total CBD
ND

Total Cannabinoids
19.1136%

	D9-THC	THCA	CBD	CBDa	CBG	CBN	CBDV	CBGA	THCV	CBC	D8-THC
%	0.9726	17.7156	ND	ND	ND	ND	ND	0.4254	ND	ND	ND
mg/g	9.726	177.156	ND	ND	ND	ND	ND	4.254	ND	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
LOQ	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
%											

Analyzed by:
835, 53, 81, 795

Weight:
0.198g

Extraction date:
02/25/24 08:30:03

Extracted by:
835

Analysis Method : SOP.T.30.031, SOP.T.40.031

Analytical Batch : NA011917POT

Instrument Used : NA-HPLC-004 (Potency - Flower)

Analysis Date : 02/25/24 12:53:30

Reviewed On : 02/27/24 09:09:05

Batch Date : 02/23/24 16:51:55

Dilution : 400

Reagent : 011024.19; 112823.20; 091423.24; 020924.14; 122123.02; 022124.R08; 022424.R01

Consumables : 04303032; 1008702142; 9291.100; 947.100; 112121CK01; 3710820; 264274; 220215E; 220123E-6; 304011027

Pipette : NA-012 (P-200); NA-017 (P-20); NA-201 (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. Total CBD = CBD + CBDA. Total Cannabinoids = Total of all available cannabinoids.

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Rene Schalk

Lab Director

State License # IL281349
ISO 17025 Accreditation # 97164

Signature
02/27/24



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

Kaycha Labs

M00003044049: 9LB Hammer Flower Batch
9LB Hammer
Matrix : Plant Material
Type: Flower-Cured



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PASSED

Mayflower - Massachusetts

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

Sample : NA40223009-006

Batch#: FL-9LBH-B-15043
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Sample Method : SOP Client Method

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Terpenes

TESTED

Terpenes	LOD (%)	LOQ (%)	mg/g	%	Result (%)	Terpenes	LOD (%)	LOQ (%)	mg/g	%	Result (%)
BETA-CARYOPHYLLENE	0.002	0.020	2.89	0.289		ALPHA-BISABOLOL	0.002	0.020	ND	ND	
BETA-MYRCENE	0.002	0.020	2.84	0.284		ALPHA-CEDRENE	0.002	0.020	ND	ND	
LIMONENE	0.002	0.020	2.62	0.262		ALPHA-PHELLANDRENE	0.002	0.020	ND	ND	
ALPHA-HUMULENE	0.002	0.020	0.86	0.086		ALPHA-TERPINENE	0.002	0.020	ND	ND	
GUAIOL	0.002	0.020	0.53	0.053		CIS-NEROLIDOL	0.002	0.020	ND	ND	
LINALOOL	0.002	0.020	0.47	0.047		GAMMA-TERPINENE	0.002	0.020	ND	ND	
BETA-PINENE	0.002	0.020	0.44	0.044		P-CYME	0.002	0.020	ND	ND	
FENCHYL ALCOHOL	0.002	0.020	0.25	0.025		TRANS-NEROLIDOL	0.002	0.020	ND	ND	
ALPHA-PINENE	0.002	0.020	0.22	0.022		Analized by:	838, 623, 81, 795	Weight:	0.52644g	Extraction date:	02/25/24 15:02:27
CARYOPHYLLENE OXIDE	0.002	0.020	0.20	0.020		Extracted by:	838,623				
3-CARENE	0.002	0.020	ND	ND		Analysis Method : SOP.T.30.064.MA, SOP.T.40.064.MA					
BORNEOL	0.002	0.020	ND	ND		Analytical Batch : NA011933TER				Reviewed On : 02/27/24 11:00:12	
CAMPHE	0.002	0.020	ND	ND		Instrument Used : NA-GCMS-002 (Terpenes)				Batch Date : 02/24/24 08:08:11	
CAMPOR	0.002	0.020	ND	ND		Analized Date : 02/26/24 14:11:00					
CEDROL	0.002	0.020	ND	ND		Dilution : 10					
EUCALYPTOL	0.002	0.020	ND	ND		Reagent : 041423.04; 091423.24; 022024.R03; 020924.R03; 013124.05					
FARNESE	0.002	0.020	ND	ND		Consumables : 04303032; 1008702142; 9291.100; 947.100; 112121CK01; 2950620; 1; 264274; GD220018; 304011027					
FENCHONE	0.002	0.020	ND	ND		Pipette : NA-012 (P-200); NA-017 (P-20); NA-009 (P-1000)					
GERANIOL	0.002	0.020	ND	ND		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.					
GERANYL ACETATE	0.002	0.020	ND	ND							
HEXAHYDROTHYMOL	0.002	0.020	ND	ND							
ISOBORNEOL	0.002	0.020	ND	ND							
ISOPULEGOL	0.002	0.020	ND	ND							
NEROL	0.002	0.020	ND	ND							
OCIMENE	0.002	0.020	ND	ND							
PULEGONE	0.002	0.020	ND	ND							
SABINENE	0.002	0.020	ND	ND							
SABINENE HYDRATE	0.002	0.020	ND	ND							
TERPINOLENE	0.002	0.020	ND	ND							
TOTAL TERPINEOL	0.002	0.020	ND	ND							
VALENCENE	0.002	0.020	ND	ND							
Total (%)			1.132								

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02/27/24



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Kaycha Labs

M00003044049: 9LB Hammer Flower Batch
9LB Hammer
Matrix : Plant Material
Type: Flower-Cured



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Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticide	LOD	LOQ	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	LOQ	Units	Action Level	Pass/Fail	Result
BIFENTHRIN	2.240	10.000	ppb	10	PASS	ND	CYFLUTHRIN *	3.750	10.000	ppb	10	PASS	ND
BIFENAZATE	2.460	10.000	ppb	10	PASS	ND	Analyzed by: 139, 81, 795	Weight: 0.539g	Extraction date: 02/25/24 09:58:26	Extracted by: 875			
ETOXAZOLE	1.790	10.000	ppb	10	PASS	ND	Analysis Method : SOP.T.40.104.MA			Reviewed On : 02/27/24 08:09:58 Batch Date : 02/23/24 18:01:46			
IMAZALIL	3.050	10.000	ppb	10	PASS	ND	Analytical Batch : NA011925PES						
IMIDACLOPRID	1.860	10.000	ppb	10	PASS	ND	Instrument Used : NA-LCMS-001 (Pesticides)						
MYCLOBUTANIL	2.900	10.000	ppb	10	PASS	ND	Analyzed Date : 02/25/24 14:01:00						
SPIROMESIFEN	2.970	10.000	ppb	10	PASS	ND	Dilution : 12.5						
TRIFLOXYSTROBIN	1.560	10.000	ppb	10	PASS	ND	Reagent : 091423.24; 021524.R04; 022124.R07; 021924.R03; 103123.R05; 060922.01						
							Consumables : 04303032; 1008702142; 9479291.271; 9479291.271; 2950620; USEEN01930; 264274; 9LCK4011R29; GD220018; 304011027; USEEZ02549						
							Pipette : NA-021 (P-20); NA-013 (P-200); 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.T.40.154.MA - Volatile Pesticide Analysis vis GC-MSMS).						
							Analyzed by: 139, 81, 795	Weight: 0.539g	Extraction date: 02/25/24 09:58:26	Extracted by: 875			
							Analysis Method : SOP.T.40.154.MA			Reviewed On : 02/27/24 08:14:21 Batch Date : 02/25/24 11:16:03			
							Analytical Batch : NA011945VOL						
							Instrument Used : NA-GCMS-001 (Volatile Pesticides)						
							Analyzed Date : 02/25/24 18:13:27						
							Dilution : 12.5						
							Reagent : 021924.R01; 013124.R05; 013124.R06; 012524.R11; 111023.R01; 091423.24; 060922.01						
							Consumables : 1008702142; 9291.100; 9479291.271; 9479291.100; 9479291.271; 2950620; 1008741089; 9LCK4011R29; GD220018; 23-47; 04303032; 304011027						
							Pipette : NA-013 (P-200); NA-221 (P-10)						
							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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9LB Hammer
Matrix : Plant Material
Type: Flower-Cured



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	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: 388, 81, 795	Weight: 1.0105g	Extraction date: 02/24/24 09:25:54	Extracted by: 711,870				
Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA							
Analytical Batch : NA011913MIC		Reviewed On : 02/27/24 14:52:29					
Instrument Used : NA-PCR-001 (Microbial)		Batch Date : 02/23/24 16:23:25					
Analyzed Date : N/A							
Dilution : 900							
Reagent : N/A							
Consumables : 21/07/20; 2203232; 1008721665; 200103-274; BEL-13166-0001; 27822090; 6161019; 3710820; 012305; 323308; 008307; 012308; 616215; 1800430; 505AQG31923; 1008741089; 21423002; TJ160G; 41513; 21134; 17723011; 221201; 231016; 0001420; 7569001048; WO3584; WO3675; WO3525; 0001323; 0001297; 0001061; 0001061; 0000887; 0001222; 0001395; WO3657; WO3659; WO3661; WO3662; 7803002028; 0001014; 0001014; WO3769; WO3757; 0001014; 0001014; 0000567165; 0000567011; 0000535389; 268287; 9LCK4011R29; 210630-306-D							
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-212 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: 81, 139, 795	Weight: 0.539g	Extraction date: 02/25/24 09:58:26	Extracted by: 875				
Analysis Method : SOP.T.40.104.MA							
Analytical Batch : NA011946MYC		Reviewed On : 02/27/24 08:11:57					
Instrument Used : NA-LCMS-001 (MYC)		Batch Date : 02/25/24 13:49:24					
Analyzed Date : 02/25/24 14:00:56							
Dilution : 12.5							
Reagent : 091423.24; 021524.R04; 022124.R07; 021924.R03; 103123.R05; 060922.01							
Consumables : 04303032; 1008702142; 9479291.271; 9479291.271; 2950620; USEEN01930; USEEZ03170; 264274; 9LCK4011R29; GD220018; 304011027							
Pipette : NA-021 (P-20); NA-013 (P-200); 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	25.397	PASS	200	
CADMIUM	9.260	10.000	ppb	ND	PASS	200	
MERCURY	3.400	5.000	ppb	7.360	PASS	100	
LEAD	8.850	10.000	ppb	ND	PASS	500	
Analyzed by: 687, 81, 795	Weight: 0.4286g	Extraction date: 02/27/24 10:56:59	Extracted by: 687				
Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA							
Analytical Batch : NA011952HEA		Reviewed On : 02/27/24 17:19:29					
Instrument Used : NA-ICPMS-001		Batch Date : 02/26/24 15:05:48					
Analyzed Date : N/A							
Dilution : 50							
Reagent : 082523.13; 021424.R05; 021424.R06; 020524.R05; 011824.R04; 011024.27; 020624.05; 040123.01							
Consumables : A191022C; 12652; 220001; 1008672189; 105C4							
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.							

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Sample Method : SOP Client Method

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Moisture

PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Moisture Content	0.100	%	9.210	TESTED	
Analyzed by: 838, 81, 795	Weight: 0.522g	Extraction date: 02/26/24 17:22:19		Extracted by: 838	
Analysis Method : SOP.T.40.021.MA					
Analytical Batch : NA011949MOI			Reviewed On : 02/27/24 08:16:18		
Instrument Used : NA-038 Moisture Analyzer			Batch Date : 02/26/24 14:43:28		
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

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