



Certificate of Analysis

Pages 1 of 5

PASSED



Batch #: FL-PUPU-B-24443
Production Method: Cured
Servings: 1
Metric Package #:
1A40A0300006785000022780
Metric Source Package #:
1A40A0300006785000024443

Lab ID: NA51105006-004
Ordered: 11/05/25
Sampled Date: 11/05/25
Sample Size: 7.5 gram
Completed: 11/10/25
Manifest #: 0003075797

Mayflower - Massachusetts

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

SAFETY RESULTS

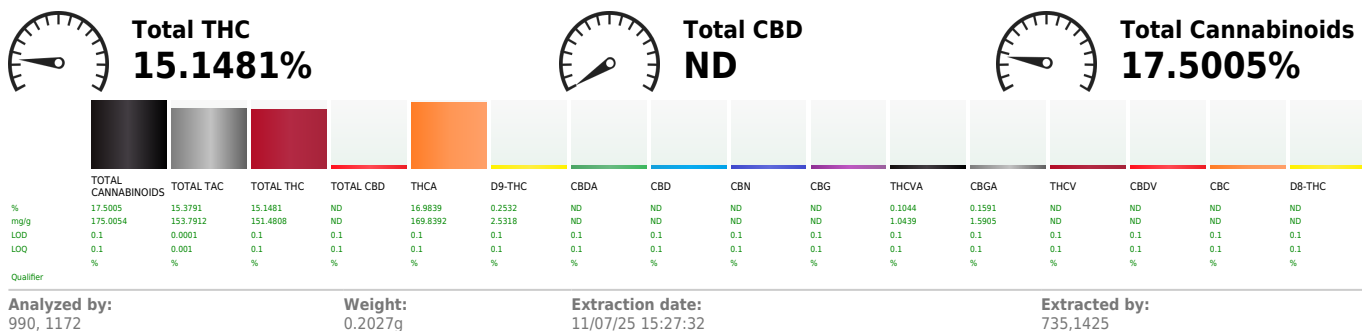
MISC.

									
Pesticide PASSED	Heavy Metals PASSED	Microbial PASSED	Mycotoxins PASSED	Solvents NOT TESTED	Filtration/Foreign Material NOT TESTED	Water Activity NOT TESTED	Moisture Content TESTED	Vitamin E NOT TESTED	Terpenes TESTED



Cannabinoid

PASSED



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

Analytical Batch: NA022621POT

Instrument Used: NA-HPLC-003 (Potency - Flower)

Analyzed Date: 11/10/25 14:00:56

Batch Date: 11/05/25 16:00:41

Dilution: 400

Reagent: 110325.19; 030725.01; 110325.R03; 110325.R04; 110525.R04; 110425.R05; 110525.R08; 120624.R01; 102125.R01

Consumables: 050925CK01; 9479291.023; 070125CH01; 04503049; 1008646012; 1008855823; 251905; 210118R; 220215E-15; GD25001; 2508041; 331090163

Pipette: NA-015 (P-10); NA-309 (P-1000); NA-135 (P-200); NA-329 (Step)

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.



Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
TOTAL TERPENES	0.02	0.02		TESTED	1.195	11.950	
LIMONENE	0.02	0.02		TESTED	0.281	2.810	
BETA-CARYOPHYLLENE	0.02	0.02		TESTED	0.219	2.190	
BETA-MYRCENE	0.02	0.02		TESTED	0.091	0.910	

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Margaret Teasdale

Lab Director

State License #
IL281349
ISO 17025
Accreditation # 97164

Signature
11/10/25
Laboratory License #:
IL281349



16 Tech Circle, Suite 201
Natick, MA, 01760, US
(401) 219-1491

Kaycha Labs

M00004207136: Purple Punch- FLOWER BATCH
Strain: Purple Punch
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured



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Pages 2 of 5

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Sample: NA51105006-004

Batch #: FL-PUPU-B-24443
Seed to sale: 1A40A0300006785000022780

Ordered: 11/05/25
Sampled: 11/05/25
Completed: 11/10/25

PASSED



Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
LINALOOL	0.02	0.02		TESTED	0.090	0.900	
ALPHA-HUMULENE	0.02	0.02		TESTED	0.077	0.770	
BETA-PINENE	0.02	0.02		TESTED	0.071	0.710	
OCIMENE	0.02	0.02		TESTED	0.068	0.680	
ALPHA-PINENE	0.02	0.02		TESTED	0.068	0.680	
GUAIOL	0.02	0.02		TESTED	0.055	0.550	
FENCHYL ALCOHOL	0.02	0.02		TESTED	0.036	0.360	
ALPHA-BISABOLOL	0.02	0.02		TESTED	0.036	0.360	
ALPHA-TERPINEOL	0.02	0.02		TESTED	0.034	0.340	
CARYOPHYLLENE OXIDE	0.02	0.02		TESTED	0.026	0.260	
FARNESENE	0.02	0.02		TESTED	0.022	0.220	
GERANIOL	0.02	0.02		TESTED	0.021	0.210	
3-CARENE	0.02	0.02		TESTED	ND	ND	
BORNEOL	0.02	0.02		TESTED	ND	ND	
CAMPHENE	0.02	0.02		TESTED	ND	ND	
CAMPHOR	0.02	0.02		TESTED	ND	ND	
CEDROL	0.002	0.02		TESTED	ND	ND	
EUCALYPTOL	0.02	0.02		TESTED	ND	ND	
FENCHONE	0.02	0.02		TESTED	ND	ND	
GERANYL ACETATE	0.02	0.02		TESTED	ND	ND	
HEXAHYDROTHYMOL	0.02	0.02		TESTED	ND	ND	
ISOBORNEOL	0.02	0.02		TESTED	ND	ND	
ISOPULEGOL	0.02	0.02		TESTED	ND	ND	
NEROL	0.02	0.02		TESTED	ND	ND	
PULEGONE	0.02	0.02		TESTED	ND	ND	
SABINENE	0.02	0.02		TESTED	ND	ND	
SABINENE HYDRATE	0.02	0.02		TESTED	ND	ND	
TERPINOLENE	0.02	0.02		TESTED	ND	ND	
VALENCENE	0.02	0.02		TESTED	ND	ND	
ALPHA-CEDRENE	0.02	0.02		TESTED	ND	ND	
ALPHA-PHELLANDRENE	0.02	0.02		TESTED	ND	ND	
ALPHA-TERPINENE	0.02	0.02		TESTED	ND	ND	
CIS-NEROLIDOL	0.02	0.02		TESTED	ND	ND	
GAMMA-TERPINENE	0.02	0.02		TESTED	ND	ND	
P-CYMENE	0.02	0.02		TESTED	ND	ND	
TRANS-NEROLIDOL	0.02	0.02		TESTED	ND	ND	

Analyzed by:
623, 990, 1172

Weight:
0.5021g

Extraction date:
11/07/25 12:07:33

Extracted by:
1426,623

Analysis Method : SOP.T.30.064.MA, SOP.T.40.064.MA

Analytical Method : NA022626TER

Instrument Used : NA-GCMS-004 (Terpenes)

Batch Date : 11/05/25 16:03:04

Analyzed Date : 11/09/25 19:09:00

Dilution : 10

Reagent : 102325.25; 030725.01; 091225.02; 110425.R03

Consumables : 050925CK01; 9291.023; 9479291.023; 1530416; 04503049; 8000059078; 1008855823; 251905; GD25001; 331090163

Pipette : NA-014 (P-200); NA-021 (P-20); NA-280 (Dispenser); NA-137 (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.

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M00004207136: Purple Punch- FLOWER BATCH
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Classification: Raw Plant Material
Type: Flower-Cured



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License # : MC282690

Sample: NA51105006-004

Batch #: FL-PUPU-B-24443
Seed to sale: 1A40A0300006785000022780

Ordered: 11/05/25
Sampled: 11/05/25
Completed: 11/10/25

PASSED



Pesticide

PASSED

ANALYTES

	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
BIFENTHRIN	ppb	2.24	10	10	PASS	ND	
BIFENAZATE	ppb	2.46	10	10	PASS	ND	
ETOXAZOLE	ppb	1.79	10	10	PASS	ND	
IMAZALIL	ppb	3.05	10	10	PASS	ND	
IMIDACLOPRID	ppb	1.86	10	10	PASS	ND	
MYCLOBUTANIL	ppb	2.9	10	10	PASS	ND	
SPIROMESIFEN	ppb	2.97	10	10	PASS	ND	
TRIFLOXYSTROBIN	ppb	1.56	10	10	PASS	ND	
CYFLUTHRIN	ppb	3.75	10	10	PASS	ND	

Analyzed by: 139, 990, 1172	Weight: 0.5369g	Extraction date: 11/06/25 14:43:44	Extracted by: 1241,139
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Analysis Method : SOP.T.40.104.MA

Analytical Batch : NA022616PES

Instrument Used : NA-LCMS-003 (Pesticides)

Analyzed Date : 11/10/25 13:55:42

Batch Date : 11/05/25 15:50:42

Dilution : 12.5

Reagent : 110525.R02; 030725.01; 103025.R02; 103125.R06; 060922.01; 102225.R07; 103125.R03; 110425.R01; 103125.R04; 091625.R01

Consumables : 9291.023; 9479291.023; 1530416; 1008855823; 251905; 15751465; GD25001; USEEN02434; USEEZ04310

Pipette : NA-012 (P-200); NA-221 (P-10); NA-026 (Dispenser); NA-289 (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 via GC-MSMS).

Analyzed by: 139, 990, 1172	Weight: 0.5369g	Extraction date: 11/06/25 14:43:44	Extracted by: 1241,139
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Analysis Method : SOP.T.40.154.MA, SOP.T.40.151.MA

Analytical Batch : NA022671VOL

Instrument Used : NA-GCMS-007 (Volatile Pesticide)

Analyzed Date : 11/10/25 13:57:03

Batch Date : 11/07/25 08:32:59

Dilution : 12.5

Reagent : 110525.R02; 030725.01; 103025.R02; 103125.R06; 060922.01; 102225.R07

Consumables : 9291.023; 9479291.023; 1530416; 1008855823; 251905; 15751465; GD25001

Pipette : NA-012 (P-200); NA-221 (P-10); NA-026 (Dispenser); NA-289 (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.



Microbial

PASSED

ANALYTES

	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
TOTAL COLIFORMS	cfu/g	10	10	1000	PASS	ND	
TOTAL VIABLE AEROBIC BACTERIA	cfu/g	10	10	100000	PASS	ND	
BILE TOLERANT GRAM NEGATIVE BACTERIA	cfu/g	10	10	1000	PASS	ND	
TOTAL YEAST AND MOLD	cfu/g	100	100	10000	PASS	180	
ESCHERICHIA COLI SPECIFIC GENE					PASS	Not Present	
SALMONELLA SPECIFIC GENE					PASS	Not Present	

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License # : MC282690

Sample: NA51105006-004

Batch #: FL-PUPU-B-24443
Seed to sale: 1A40A0300006785000022780

Ordered: 11/05/25
Sampled: 11/05/25
Completed: 11/10/25

PASSED



Microbial

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
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Analyzed by: 870, 990, 1172	Weight: 0.9283g	Extraction date: 11/05/25 15:51:00	Extracted by: 388,870
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Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA

Analytical Batch : NA022610MIC

Instrument Used : NA-PCR-001 (Microbial)

Batch Date : 11/05/25 14:08:13

Analyzed Date : 11/09/25 19:08:01

Dilution : 900

Reagent : 051724.01; 082725.R01; 082625.05

Consumables : 418325019C; 418325008A; 346M6K; 8847202-2441; 2401051; 08/09/22; BEL-13166-0001; 04825070; 1530416; 0820226; 50RWM0911W83; X002B5DL8D; 3110; 446447; 25104; 25/06/27; 0002276; 0002354; 7586002051; WO4544; WO4067; WO4813; 0002056; 0002044; 0002070; 0001316; 0002057; 0002187; 7809003056; 0002012; 0001404; WO4769; WO4669; 0001821; 0001992; 0000630072; 0000581319; 0000581413; 1009944804; 1010204253; 211129-1125; 1010089656

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-211 Micro bottle top dispenser; NA-318 (P-1000, micro); NA-234 Micro bottle top dispenser; NA-235 Micro bottle top dispenser

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.056C.MA) If a pathogenic Escherichia Coli or Salmonella is detected in 1g of a sample, the sample fails the microbiological-impurity testing.



Mycotoxins

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
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AFLATOXIN B1	ppb	2.01	5	20	PASS	ND	
AFLATOXIN B2	ppb	1.96	5	20	PASS	ND	
AFLATOXIN G1	ppb	1.82	5	20	PASS	ND	
AFLATOXIN G2	ppb	2.1	5	20	PASS	ND	
OCHRATOXIN A	ppb	2.19	5	20	PASS	ND	
TOTAL AFLATOXINS	ppb	1.82	5	20	PASS	ND	

Analyzed by: 139, 990, 1172	Weight: 0.5369g	Extraction date: 11/06/25 14:43:44	Extracted by: 1241,139
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Analysis Method : SOP.T.40.104.MA

Analytical Batch : NA022670MYC

Instrument Used : NA-LCMS-003 (MYC)

Batch Date : 11/07/25 08:31:22

Analyzed Date : 11/10/25 13:55:26

Dilution : 12.5

Reagent : 110525.R02; 030725.01; 103025.R02; 103125.R06; 060922.01; 102225.R07; 103125.R03; 110425.R01; 103125.R04; 091625.R01

Consumables : 9291.023; 9479291.023; 1530416; 1008855823; 251905; 15751465; GD25001; USEEN02434; USEEZ04310

Pipette : NA-012 (P-200); NA-221 (P-10); NA-026 (Dispenser); NA-289 (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.



Moisture Content

TESTED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
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MOISTURE CONTENT	%	0.1	1		TESTED	7.90	
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PASSED



Moisture Content

TESTED

ANALYTES		UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
Analyzed by: 1352, 990, 1172	Weight: 0.51g	Extraction date: 11/08/25 19:49:05			Extracted by: 1352			
Analysis Method : SOP.T.40.021.MA								
Analytical Batch : NA022614MOI								
Instrument Used : NA-038 Moisture Analyzer,NA-199 Moisture Analyzer,NA-236 Moisture Analyzer						Batch Date : 11/05/25 15:37:53		
Analyzed Date : 11/10/25 13:54:57								
Dilution : N/A								
Reagent : 030725.01; 040325.01								
Consumables : 3143008424095D00; 1008855823; GD25001								
Pipette : NA-013 (P-200)								



Heavy Metals

PASSED

ANALYTES		UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
ARSENIC		ppb	6.72	10	200	PASS	<10	
CADMIUM		ppb	9.26	10	200	PASS	ND	
MERCURY		ppb	3.4	5	100	PASS	ND	
LEAD		ppb	8.85	10	500	PASS	ND	
Analyzed by: 990, 1172		Weight: 0.4228g		Extraction date: 11/07/25 15:55:04			Extracted by: 990,795	
Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA								
Analytical Batch : NA022633HEA								
Instrument Used : NA-ICPMS-001,NA-ICPMS-002					Batch Date : 11/05/25 22:35:36			
Analyzed Date : 11/09/25 19:07:00								
Dilution : 50								
Reagent : 062824.02; 062824.03; 082725.01; 110525.R13; 110525.R18; 061025.10; 070224.01; 030725.01; 103125.10; 040325.01								
Consumables : L205125M; 13116; 070125CH01; 1008855823; GD25001								
Pipette : NA-012 (P-200); NA-214 Bottle Top Dispenser (nitric acid); NA-125 (5mL); NA-255 (10mL Dispensette, HCL)								

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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