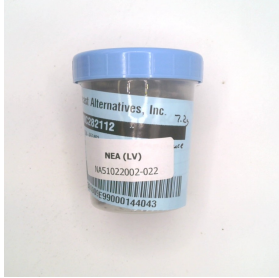




Certificate of Analysis

PASSED



Batch #: B2.R9.LACA.09.09.25 (6)
Production Method: Cured
Servings: 1
Metric Package #:
1A40A0300009E99000144043
Metric Source Package #:
1A40A0300009E99000138922











Lab ID: NA51022002-022
Ordered: 10/22/25
Sample Date: 10/22/25
Sample Size: 7.2 gram
Completed: 10/29/25
Manifest #: 0003062382

Northeast Alternatives - Massachusetts

310A Kenneth Welch Dr.
Lakeville, MA, 02347, US
License #: MC282112

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 NOT TESTED	Vitamin E NOT TESTED	Terpenes TESTED

Cannabinoid **PASSED**



	TOTAL CANNABINOIDS	TOTAL TAC	TOTAL THC	TOTAL CBD	THCA	D9-THC	CBDA	CBD	CBN	CBG	THCVA	CBGA	THCV	CBDV	CBC	D8-THC
%	24.9012	21.9248	21.6040	ND	23.8325	0.7029	ND	ND	ND	ND	ND	0.3659	ND	ND	ND	ND
mg/g	249.0123	219.2484	216.0398	ND	238.3246	7.0291	ND	ND	ND	ND	ND	3.6586	ND	ND	ND	ND
LOD	0.1	0.0001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
LOQ	0.1	0.001	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Qualifier	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 990, 280, 1172 Weight: 0.2027g Extraction date: 10/26/25 13:57:04 Extracted by: 735, 1280

Analysis Method : SOP.T.30.031, SOP.T.40.031
Analytical Batch : NA022226POT
Instrument Used : NA-HPLC-003 (Potency - Flower) Batch Date : 10/22/25 15:08:54
Analyzed Date : 10/29/25 15:19:00

Dilution : 400
Reagent : 100724.01; 102125.19; 030725.01; 082225.02; 071525.R14; 071525.R15; 102325.R04; 102325.R03; 102125.R01
Consumables : 050925CK01; 9291.023; 9479291.023; 070125CH01; 04503049; 1008646012; 1008855823; 210118R; 220215E-15; GD25001; 2508041; 331090163
Pipette : NA-221 (P-10); 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	2.074	20.740	
LIMONENE	0.02	0.02		TESTED	0.497	4.970	
BETA-CARYOPHYLLENE	0.02	0.02		TESTED	0.439	4.390	
LINALOOL	0.02	0.02		TESTED	0.325	3.250	
ALPHA-HUMULENE	0.02	0.02		TESTED	0.134	1.340	

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Margaret Teasdale

Lab Director

State License #
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ISO 17025
Accreditation # 97164



Signature
10/29/25
Laboratory License #: IL281349



Certificate of Analysis


Northeast Alternatives - Massachusetts Sample: NA51022002-022

310A Kenneth Welch Dr.
Lakeville, MA, 02347, US
License #: MC282112

Batch #: B2.R9.LACA.09.09.25 (6)
Seed to sale: 1A40A0300009E99000144043

Ordered: 10/22/25
Sampled: 10/22/25
Completed: 10/29/25

PASSED



Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
BETA-PINENE	0.02	0.02		TESTED	0.093	0.930	
ALPHA-TERPINEOL	0.02	0.02		TESTED	0.086	0.860	
FARNESENE	0.02	0.02		TESTED	0.072	0.720	
FENCHYL ALCOHOL	0.02	0.02		TESTED	0.072	0.720	
ALPHA-PINENE	0.02	0.02		TESTED	0.056	0.560	
OCIMENE	0.02	0.02		TESTED	0.055	0.550	
BETA-MYRCENE	0.02	0.02		TESTED	0.051	0.510	
TRANS-NEROLIDOL	0.02	0.02		TESTED	0.030	0.300	
TERPINOLENE	0.02	0.02		TESTED	0.025	0.250	
VALENCENE	0.02	0.02		TESTED	0.025	0.250	
FENCHONE	0.02	0.02		TESTED	0.024	0.240	
ALPHA-BISABOLOL	0.02	0.02		TESTED	0.024	0.240	
GERANIOL	0.02	0.02		TESTED	0.023	0.230	
CAMPHENE	0.02	0.02		TESTED	0.022	0.220	
SABINENE HYDRATE	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	
CAMPHOR	0.02	0.02		TESTED	ND	ND	
CARYOPHYLLENE OXIDE	0.02	0.02		TESTED	ND	ND	
CEDROL	0.002	0.02		TESTED	ND	ND	
EUCALYPTOL	0.02	0.02		TESTED	ND	ND	
GERANYL ACETATE	0.02	0.02		TESTED	ND	ND	
GUAJOL	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	
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	

Analyzed by: 623, 280, 1172 Weight: 0.5008g Extraction date: 10/28/25 10:13:48 Extracted by: 572

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

Analytical Batch : NA022232TER

Instrument Used : NA-GCMS-002 (Terpenes)

Analyzed Date : 10/29/25 15:15:34

Batch Date : 10/22/25 16:00:35


Dilution : 10

Reagent : 102125.11; 030725.01; 091225.02; 102125.R03

Consumables : 050925CK01; 9291.023; 9479291.023; 250311-634-A; 04411066; 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.



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	

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Margaret Teasdale

Lab Director

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ISO 17025
Accreditation # 97164



Signature
10/29/25
Laboratory License #: IL281349



Certificate of Analysis

Northeast Alternatives - Massachusetts Sample: NA51022002-022

310A Kenneth Welch Dr.
Lakeville, MA, 02347, US
License #: MC282112

Batch #: B2.R9.LACA.09.09.25 (6)
Seed to sale: 1A40A0300009E99000144043

Ordered: 10/22/25
Sampled: 10/22/25
Completed: 10/29/25

PASSED



Pesticide

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
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, 414, 1172	Weight: 0.4712g	Extraction date: 10/24/25 16:24:32	Extracted by: 795,1392
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Analysis Method : SOP.T.40.104.MA
 Analytical Batch : NA022239PES
 Instrument Used : NA-LCMS-001 (Pesticides) Batch Date : 10/22/25 17:48:14
 Analyzed Date : 10/28/25 10:44:47

Dilution : 12.5
 Reagent : 102425.R02; 092425.R03; 102225.R03; 102225.R07; 030725.01; 102425.R01; 101925.R01; 102325.R01; 101325.R01; 060922.01
 Consumables : 1008897384; M00250508054; 9479291.023; 6121230; 1008855823; 251905; GD25001; USEEN02432; USEEZ04086
 Pipette : NA-015 (P-10); NA-203 (P-200); NA-026 (Dispenser); NA-308 (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, 414, 1172	Weight: 0.4712g	Extraction date: 10/24/25 16:24:32	Extracted by: 795,1392
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Analysis Method : SOP.T.40.154.MA, SOP.T.40.151.MA
 Analytical Batch : NA022324VOL
 Instrument Used : NA-GCMS-007 (Volatile Pesticide) Batch Date : 10/25/25 16:28:08
 Analyzed Date : 10/28/25 10:47:32

Dilution : 12.5
 Reagent : 102425.R02; 092425.R03; 102225.R03; 102225.R07
 Consumables : 1008897384; M00250508054; 9479291.023; 6121230; 1008855823; 251905; GD25001
 Pipette : NA-015 (P-10); NA-203 (P-200); NA-026 (Dispenser); NA-308 (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	200.0000	
ESCHERICHIA COLI SPECIFIC GENE					PASS	Not Present	
SALMONELLA SPECIFIC GENE					PASS	Not Present	

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Margaret Teasdale
Lab Director



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Accreditation # 97164

Signature
10/29/25
Laboratory License #:
IL281349



Certificate of Analysis

Northeast Alternatives - Massachusetts Sample: NA51022002-022

310A Kenneth Welch Dr.
Lakeville, MA, 02347, US
License #: MC282112

Batch #: B2.R9.LACA.09.09.25 (6)
Seed to sale: 1A40A0300009E99000144043

Ordered: 10/22/25
Sampled: 10/22/25
Completed: 10/29/25

PASSED



Microbial

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
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Analyzed by: 870, 990, 1172	Weight: 0.9551g	Extraction date: 10/23/25 10:22:04	Extracted by: 388,711
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Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA

Analytical Batch : NA022222MIC

Instrument Used : NA-PCR-001 (Microbial)

Batch Date : 10/22/25 14:49:45

Analyzed Date : 10/28/25 19:25:59

Dilution : 900

Reagent : 051724.01; 082725.R01; 082625.05

Consumables : 418325008A; 8847202-2441; 2401051; 08/09/22; BEL-13166-0001; 04825070; P7612152; 241110-3059-A; 020506; 364502; 2050518; 50RWM0911W83; X002BSD8D; 3110; 446447; 25104; 24/11/18; 0002276; 0002354; 7585003013; 7585003026; WO4544; WO4067; WO4757; 0002056; 0002044; 0002070; 0001316; 0002057; 0002082; 7809003010; 7809003015; 0002012; 0001404; WO4769; WO4669; 0001821; 0001992; 0000630072; 0000581319; 0000581413; 1009944804; 1010204253; 1010571396; 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	1.955	5	20	PASS	ND	
AFLATOXIN G1	ppb	1.823	5	20	PASS	ND	
AFLATOXIN G2	ppb	2.1	5	20	PASS	ND	
OCHRATOXIN A	ppb	2.194	5	20	PASS	ND	
TOTAL AFLATOXINS	ppb	1.82	5	20	PASS	ND	

Analyzed by: 139, 414, 1172	Weight: 0.4712g	Extraction date: 10/24/25 16:24:32	Extracted by: 795,1392
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Analysis Method : SOP.T.40.104.MA

Analytical Batch : NA022323MYC

Instrument Used : NA-LCMS-001 (MYC)

Batch Date : 10/25/25 16:27:23

Analyzed Date : 10/28/25 10:45:54


Dilution : 12.5

Reagent : 102425.R02; 092425.R03; 102225.R03; 102225.R07; 030725.01; 102425.R01; 101925.R01; 102325.R01; 101325.R01; 060922.01

Consumables : 1008897384; M00250508054; 9479291.023; 6121230; 1008855823; 251905; GD25001; USEEN02432; USEEZ04086

Pipette : NA-015 (P-10); NA-203 (P-200); NA-026 (Dispenser); NA-308 (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

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
----------	------	-----	-----	-------	-----------	--------	-----------

ARSENIC	ppb	6.72	10	200	PASS	ND	
CADMIUM	ppb	9.26	10	200	PASS	ND	
MERCURY	ppb	3.4	5	100	PASS	ND	
LEAD	ppb	8.85	10	500	PASS	ND	

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Margaret Teasdale

Lab Director



State License #
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Accreditation # 97164

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10/29/25
Laboratory License #: IL281349



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

Kaycha Labs

M00003688133: Trim - Bulk - Lava Cake - Indica
Strain: Lava Cake
Matrix: Plant Material
Classification: Raw Plant Material
Type: Trim



Certificate of Analysis

Pages 5 of 5

Northeast Alternatives - Massachusetts Sample: NA51022002-022

310A Kenneth Welch Dr.
Lakeville, MA, 02347, US
License #: MC282112

Batch #: B2.R9.LACA.09.09.25 (6)
Seed to sale: 1A40A0300009E99000144043

Ordered: 10/22/25
Sampled: 10/22/25
Completed: 10/29/25

PASSED

	Heavy Metals	PASSED
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ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
Analyzed by: 990, 414, 1172 Weight: 0.3886g Extraction date: 10/28/25 08:37:26 Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA Analytical Batch : NA022253HEA Instrument Used : NA-ICPMS-001,NA-ICPMS-002 Analyzed Date : 10/29/25 12:18:08 Dilution : 50 Reagent : 082725.01; 061025.10; 070224.01; 030725.01; 100325.14; 040325.01; 062824.02; 062824.03; 100725.R13; 102425.R03; 102425.R04 Consumables : L205125M; 27724012; 070125CH01; 1008855823; GD25001 Pipette : NA-012 (P-200); NA-214 Bottle Top Dispenser (nitric acid); NA-125 (5mL); NA-255 (10mL Dispensette, HCL)						Extracted by: 990,1391	

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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10/29/25
Laboratory License #:
IL281349