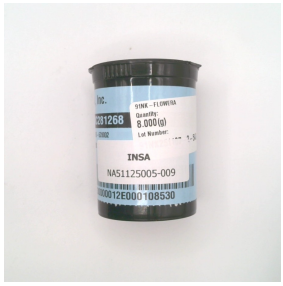
kaycha LABS
16 Tech Circle, Suite 201
Natick, MA, 01760, US
(401) 219-1491

Kaycha Labs

91 NL Kush
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured

Certificate of Analysis

PASSED



Harvest/Lot ID: 91NK251107-2-5A3
Batch #: 91NK251107-2-5A3
Production Method: Cured
Retail Product Size: 10 gram
Retail Serving Size: 8 gram
Servings: 1.25
Metrc Package #:
1A40A030000012E000108530
Metrc Source Package # :
1A40A030000012E000108529

Lab ID: NA51125005-009
Ordered: 11/25/25
Sampled Date: 11/25/25
Sample Size: 8 gram
Completed: 12/02/25

INSA - Massachusetts
122 Pleasant Street
Easthampton, MA, 01027, US
myinsa.com
License # : MP281426

SAFETY RESULTS | **MISC.**

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

Cannabinoid — PASSED

Total THC
24.8453%

Total CBD
ND

Total Cannabinoids
29.4173%

	TOTAL CANNABINOIDS	TOTAL TAC	TOTAL THC	TOTAL CBD	THCA	D9-THC	CBDA	CBD	CBN	CBG	THCVA	CBGA	THCV	CBDV	CBC	D8-THC
%	29.4173	25.8246	24.8453	ND	28.0920	0.2085	ND	ND	ND	ND	0.1860	0.9307	ND	ND	ND	ND
mg/g	294.1728	258.2461	248.4526	ND	280.9204	2.0854	ND	ND	ND	ND	1.8602	9.3068	ND	ND	ND	ND
LOD	0.1000	0.0001	0.1000	0.1000	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	0.0010	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Qualifier																

Analyzed by: 990, 1172
Weight: 0.206g
Extraction date: 11/28/25 15:04:08
Extracted by: 735,1280

Analysis Method : SOP.T.30.031, SOP.T.40.031
Analytical Batch : NA023241POT
Instrument Used : NA-HPLC-003 (Potency - Flower)
Batch Date : 11/25/25 15:53:00
Analyzed Date : 12/02/25 18:34:59

Dilution : 400
Reagent : 100724.02; 111725.21; 103125.08; 030725.01; 111325.04; 071525.R14; 071525.R15; 112525.R01; 112525.R05; 102125.R01
Consumables : 010924CK01; 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	0.020	0.020		TESTED	2.154	21.540	
BETA-MYRCENE	0.020	0.020		TESTED	0.588	5.880	
LIMONENE	0.020	0.020		TESTED	0.559	5.590	
BETA-CARYOPHYLLENE	0.020	0.020		TESTED	0.362	3.620	

Margaret Teasdale
Lab Director

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Sample: NA51125005-009
Batch #: 91NK251107-2-5A3
Harvest/Lot ID: 91NK251107-2-5A3
Seed to sale: 1A40A030000012E000108530

Ordered: 11/25/25
Sampled: 11/25/25
Completed: 12/02/25

PASSED

Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
ALPHA-HUMULENE	0.020	0.020		TESTED	0.129	1.290	
BETA-PINENE	0.020	0.020		TESTED	0.106	1.060	
LINALOOL	0.020	0.020		TESTED	0.087	0.870	
ALPHA-PINENE	0.020	0.020		TESTED	0.058	0.580	
FENCHYL ALCOHOL	0.020	0.020		TESTED	0.056	0.560	
ALPHA-TERPINEOL	0.020	0.020		TESTED	0.051	0.510	
ALPHA-BISABOLOL	0.020	0.020		TESTED	0.038	0.380	
FARNESENE	0.020	0.020		TESTED	0.031	0.310	
GERANIOL	0.020	0.020		TESTED	0.025	0.250	
CARYOPHYLLENE OXIDE	0.020	0.020		TESTED	0.022	0.220	
BORNEOL	0.020	0.020		TESTED	0.021	0.210	
CAMPHENE	0.020	0.020		TESTED	0.021	0.210	
3-CARENE	0.020	0.020		TESTED	ND	ND	
CAMPHOR	0.020	0.020		TESTED	ND	ND	
CEDROL	0.002	0.020		TESTED	ND	ND	
EUCALYPTOL	0.020	0.020		TESTED	ND	ND	
FENCHONE	0.020	0.020		TESTED	ND	ND	
GERANYL ACETATE	0.020	0.020		TESTED	ND	ND	
GUAIOL	0.020	0.020		TESTED	ND	ND	
HEXAHYDROTHYMOL	0.020	0.020		TESTED	ND	ND	
ISOBORNEOL	0.020	0.020		TESTED	ND	ND	
ISOPULEGOL	0.020	0.020		TESTED	ND	ND	
NEROL	0.020	0.020		TESTED	ND	ND	
OCIMENE	0.020	0.020		TESTED	ND	ND	
PULEGONE	0.020	0.020		TESTED	ND	ND	
SABINENE	0.020	0.020		TESTED	ND	ND	
SABINENE HYDRATE	0.020	0.020		TESTED	ND	ND	
TERPINOLENE	0.020	0.020		TESTED	ND	ND	
VALENCENE	0.020	0.020		TESTED	ND	ND	
ALPHA-CEDRENE	0.020	0.020		TESTED	ND	ND	
ALPHA-PHELLANDRENE	0.020	0.020		TESTED	ND	ND	
ALPHA-TERPINENE	0.020	0.020		TESTED	ND	ND	
CIS-NEROLIDOL	0.020	0.020		TESTED	ND	ND	
GAMMA-TERPINENE	0.020	0.020		TESTED	ND	ND	
P-CYMENE	0.020	0.020		TESTED	ND	ND	
TRANS-NEROLIDOL	0.020	0.020		TESTED	ND	ND	

Analyzed by: 623, 990, 1172
Weight: 0.504g
Extraction date: 11/27/25 12:47:59
Extracted by: 1426,623

Analysis Method : SOP.T.30.064.MA, SOP.T.40.064.MA
Analytical Batch : NA023261TER
Instrument Used : NA-GCMS-004 (Terpenes)
Batch Date : 11/26/25 08:13:40
Analyzed Date : 12/02/25 18:36:46

Dilution : 10
Reagent : 102125.12; 030725.01; 111925.16; 112625.R02
Consumables : 010924CK01; 9291.023; 9479291.023; 250208-634-A; 04504082; 8000059078; 1008855823; 1008897313; 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.

Margaret Teasdale
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myinsa.com
License # : MP281426

Sample: NA51125005-009
Batch #: 91NK251107-2-5A3
Harvest/Lot ID: 91NK251107-2-5A3
Seed to sale: 1A40A030000012E000108530

Ordered: 11/25/25
Sampled: 11/25/25
Completed: 12/02/25

PASSED

Pesticide

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
BIFENTHRIN	ppb	2.240	10.000	10	PASS	ND	
BIFENAZATE	ppb	2.460	10.000	10	PASS	ND	
ETOXAZOLE	ppb	1.790	10.000	10	PASS	ND	
IMAZALIL	ppb	3.050	10.000	10	PASS	ND	
IMIDACLOPRID	ppb	1.860	10.000	10	PASS	ND	
MYCLOBUTANIL	ppb	2.900	10.000	10	PASS	ND	
SPIROMESIFEN	ppb	2.970	10.000	10	PASS	ND	
TRIFLOXYSTROBIN	ppb	1.560	10.000	10	PASS	ND	
CYFLUTHRIN	ppb	3.750	10.000	10	PASS	ND	

Analyzed by: 139, 414, 1172
Weight: 0.5898g
Extraction date: 11/26/25 17:00:20
Extracted by: 795,1392

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA023235PES
Instrument Used : NA-LCMS-001 (Pesticides)
Batch Date : 11/25/25 15:46:28
Analyzed Date : 12/01/25 15:02:02

Dilution : 12.5
Reagent : 112525.R03; 030725.01; 103025.R02; 112525.R04; 060922.01; 111425.R03; 112525.R07; 112125.R04; 112125.R05; 111825.R04
Consumables : 1008897309; MO0250508054; 9291.023; 9479291.023; P7623038; 1010204253; 1008855823; GD25001; USEEN02615; USEEZ04382
Pipette : NA-202 (P-200); NA-026 (Dispenser); NA-285 (P-20); NA-307 (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: 139, 414, 1172
Weight: 0.5898g
Extraction date: 11/26/25 17:00:20
Extracted by: 795,1392

Analysis Method : SOP.T.40.154.MA, SOP.T.40.151.MA
Analytical Batch : NA023350VOL
Instrument Used : NA-GCMS-006 (Volatile Pesticides)
Batch Date : 11/29/25 13:57:21
Analyzed Date : 12/01/25 15:03:50

Dilution : 12.5
Reagent : 112525.R03; 030725.01; 103025.R02; 112525.R04; 060922.01; 111425.R03
Consumables : 1008897309; MO0250508054; 9291.023; 9479291.023; P7623038; 1010204253; 1008855823; GD25001
Pipette : NA-202 (P-200); NA-026 (Dispenser); NA-285 (P-20); NA-307 (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	600	
ESCHERICHIA COLI SPECIFIC GENE					PASS	Not Present	
SALMONELLA SPECIFIC GENE					PASS	Not Present	

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Sample: NA51125005-009
Batch #: 91NK251107-2-5A3
Harvest/Lot ID: 91NK251107-2-5A3
Seed to sale: 1A40A030000012E000108530

Ordered: 11/25/25
Sampled: 11/25/25
Completed: 12/02/25

PASSED

Microbial

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER

Analyzed by: 388, 414, 1172 **Weight:** 1.1235g **Extraction date:** 11/26/25 09:52:33 **Extracted by:** 711,1352

Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA
Analytical Batch : NA023231MIC
Instrument Used : NA-PCR-001 (Microbial)
Batch Date : 11/25/25 15:04:08
Analyzed Date : 12/02/25 15:03:53

Dilution : 900
Reagent : N/A
Consumables : 418325084D; 8847202-2441; 08/09/22; BEL-13166-0001; 250208-634-A; 070125CH01; 020506; 364502; 0820226; 50RWM0911W83; X002BSDL8D; 3110; 446447; 25104; 25/06/27; 0002276; 0002354; 7584004021; WO4544; WO4067; WO4757; 0002056; 0002044; 0002176; 0001316; 0002057; 0002186; WO4316; WO3882; WO4135; 7811001026; 0002078; 0001404; WO4769; WO4669; 0001821; 0001992; 0000630072; 0000581319; 0000581413; 1009944804; 1010204253; 1010571396; 1010314389
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-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-207 (P-20, micro); NA-206 (P-20, micro); NA-206A (P-200, micro); NA-207A (P-1000, micro); NA-318 (P-1000, micro); NA-235 Micro bottle top dispenser; NA-331 (p-100 multi-channel, micro)

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
AFLATOXIN B1	ppb	2.010	5.000	20	PASS	ND	
AFLATOXIN B2	ppb	1.955	5.000	20	PASS	ND	
AFLATOXIN G1	ppb	1.823	5.000	20	PASS	ND	
AFLATOXIN G2	ppb	2.100	5.000	20	PASS	ND	
OCHRATOXIN A	ppb	2.194	5.000	20	PASS	ND	
TOTAL AFLATOXINS	ppb	1.820	5.000	20	PASS	ND	

Analyzed by: 139, 414, 1172 **Weight:** 0.5898g **Extraction date:** 11/26/25 17:00:20 **Extracted by:** 795,1392

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA023349MYC
Instrument Used : NA-LCMS-001 (MYC)
Batch Date : 11/29/25 13:51:46
Analyzed Date : 12/01/25 15:02:58

Dilution : 12.5
Reagent : 112525.R03; 030725.01; 103025.R02; 112525.R04; 060922.01; 111425.R03; 112525.R07; 112125.R04; 112125.R05; 111825.R04
Consumables : 1008897309; MO0250508054; 9291.023; 9479291.023; P7623038; 1010204253; 1008855823; GD25001; USEEN02615; USEEZ04382
Pipette : NA-202 (P-200); NA-026 (Dispenser); NA-285 (P-20); NA-307 (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	5.450	20.000	200	PASS	<20.000	
CADMIUM	ppb	5.500	20.000	200	PASS	ND	
MERCURY	ppb	3.400	5.000	100	PASS	5.189	
LEAD	ppb	8.000	20.000	500	PASS	ND	

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PASSED

Heavy Metals — PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER

Analyzed by: 990, 1172
Weight: 0.38g
Extraction date: 11/30/25 14:03:43
Extracted by: 1391,990

Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA
Analytical Batch : NA023253HEA
Instrument Used : NA-ICPMS-002
Batch Date : 11/25/25 16:00:07
Analyzed Date : 12/02/25 18:39:51

Dilution : 50
Reagent : 062824.02; 062824.03; 103125.01; 112025.R13; 112025.R01; 061025.10; 070224.01; 030725.01; 103125.13; 040325.01
Consumables : L205125M; 13170-542CE-542D; 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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