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

Kaycha Labs

MNDW Bulk
Matrix: Cannabis Resin and Concentrates
Classification: Inhalable Concentrate
Type: Distillate

Certificate of Analysis

PASSED

Harvest/Lot ID: 251211-MNDW-WA
Batch #: 251211-MNDW-WA
Production Method: Ethanol
Retail Product Size: 1 gram
Retail Serving Size: 1 gram
Servings: 1
Metrc Package #:
1A40A030000012F000230276
Metrc Source Package # :
1A40A030000012F000230275

Lab ID: NA51211007-021
Ordered: 12/11/25
Sampled Date: 12/11/25
Sample Size: 7.51 gram
Completed: 12/18/25

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
NOT TESTED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	TESTED

Cannabinoid — PASSED

Total THC
81.2257%

Total CBD
ND

Total Cannabinoids
85.0854%

	TOTAL CANNABINOIDS	TOTAL TAC	TOTAL THC	TOTAL CBD	THCA	D9-THC	CBDA	CBD	CBDV	CBC	THCVA	THCV	CBGA	D8-THC	CBN	CBG
%	85.0854	85.0385	81.2257	ND	ND	81.2257	ND	ND	ND	0.4889	0.3816	0.4789	ND	ND	0.3184	2.1920
mg/g	850.8544	850.3850	812.2567	ND	ND	812.2567	ND	ND	ND	4.8889	3.8161	4.7893	ND	ND	3.1839	21.9195
LOD	0.0010	0.0001	0.0010	0.0010	0.2000	0.0010	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000	0.0100
LOQ	0.0100	0.0010	0.0100	0.0100	0.2000	0.0100	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000	0.0010
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Qualifier																

Analyzed by: 990, 1172
Weight: 0.1044g
Extraction date: 12/16/25 14:44:26
Extracted by: 735,1425

Analysis Method : SOP.T.30.031, SOP.T.40.031
Analytical Batch : NA023789POT
Instrument Used : NA-HPLC-003 (Potency - High Conc. Derivatives)
Batch Date : 12/15/25 08:28:25
Analyzed Date : 12/17/25 19:42:25

Dilution : 400
Reagent : 070224.01; 120525.06; 120525.07; 062425.02; 111325.06; 071525.R16; 120925.R01; 121125.R08; 102125.R01; 071525.R17
Consumables : 010924CK01; 9291.023; 9479291.023; 070125CH01; 04503049; 1008646012; 1008855823; 210118R; 220215E-15; GD25001; 331090163; 23-47
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	4.249	42.490	
LIMONENE	0.020	0.020		TESTED	1.386	13.860	
BETA-PINENE	0.020	0.020		TESTED	0.869	8.690	
GERANYL ACETATE	0.020	0.020		TESTED	0.730	7.300	

Margaret Teasdale
Lab Director

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Sample: NA51211007-021
Batch #: 251211-MNDW-WA
Harvest/Lot ID: 251211-MNDW-WA
Seed to sale: 1A40A030000012F000230276

Ordered: 12/11/25
Sampled: 12/11/25
Completed: 12/18/25

PASSED

Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
BETA-MYRCENE	0.020	0.020		TESTED	0.566	5.660	
LINALOOL	0.020	0.020		TESTED	0.205	2.050	
TRANS-NEROLIDOL	0.020	0.020		TESTED	0.130	1.300	
EUCALYPTOL	0.020	0.020		TESTED	0.103	1.030	
GAMMA-TERPINENE	0.020	0.020		TESTED	0.096	0.960	
TERPINOLENE	0.020	0.020		TESTED	0.043	0.430	
ALPHA-TERPINEOL	0.020	0.020		TESTED	0.040	0.400	
ALPHA-BISABOLOL	0.020	0.020		TESTED	0.038	0.380	
ALPHA-PINENE	0.020	0.020		TESTED	0.022	0.220	
BETA-CARYOPHYLLENE	0.020	0.020		TESTED	0.021	0.210	
3-CARENE	0.020	0.020		TESTED	ND	ND	
BORNEOL	0.020	0.020		TESTED	ND	ND	
CAMPHENE	0.020	0.020		TESTED	ND	ND	
CAMPHOR	0.020	0.020		TESTED	ND	ND	
CARYOPHYLLENE OXIDE	0.020	0.020		TESTED	ND	ND	
CEDROL	0.002	0.020		TESTED	ND	ND	
FARNESENE	0.020	0.020		TESTED	ND	ND	
FENCHONE	0.020	0.020		TESTED	ND	ND	
FENCHYL ALCOHOL	0.020	0.020		TESTED	ND	ND	
GERANIOL	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	
VALENCENE	0.020	0.020		TESTED	ND	ND	
ALPHA-CEDRENE	0.020	0.020		TESTED	ND	ND	
ALPHA-HUMULENE	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	
P-CYMENE	0.020	0.020		TESTED	ND	ND	

Analyzed by: 623, 990, 1172
Weight: 0.5079g
Extraction date: 12/16/25 10:23:04
Extracted by: 1426,623

Analysis Method : SOP.T.30.064.MA, SOP.T.40.064.MA
Analytical Batch : NA023758TER
Instrument Used : NA-GCMS-004 (Terpenes)
Batch Date : 12/13/25 13:27:04
Analyzed Date : 12/18/25 17:08:36

Dilution : 10
Reagent : 102925.17; 070224.01; 111925.12; 121025.R02
Consumables : 010924CK01; 9291.023; 9479291.023; 1530416; 04504082; IP250.077; 1008855823; 1008897313; GD25001; 331090163; 23-47
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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Sample: NA51211007-021
Batch #: 251211-MNDW-WA
Harvest/Lot ID: 251211-MNDW-WA
Seed to sale: 1A40A030000012F000230276

Ordered: 12/11/25
Sampled: 12/11/25
Completed: 12/18/25

PASSED

Residual Solvents

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
ETHANOL	ppm	253.000	700.000	5000	PASS	ND	

Analyzed by: 572, 990, 1172 **Weight:** 0.0255g **Extraction date:** 12/15/25 14:47:16 **Extracted by:** 414,572

Analysis Method : SOP.T.40.044.MA
Analytical Batch : NA023699SOL
Instrument Used : NA-GCMS-003,NA-GCMS-005
Batch Date : 12/12/25 09:19:13
Analyzed Date : 12/17/25 19:53:36

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

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 27 Residual solvents. (Method: SOP.T.40.044.MA Residual Solvents Analysis via GC-MS).

Microbial

PASSED

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

Analyzed by: 711, 990, 1172 **Weight:** 0.9085g **Extraction date:** 12/12/25 12:16:31 **Extracted by:** 711,1241

Analysis Method : SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA
Analytical Batch : NA023678MIC
Instrument Used : NA-PCR-001 (Microbial)
Batch Date : 12/11/25 15:35:31
Analyzed Date : 12/17/25 10:41:34

Dilution : 90
Reagent : 121525.R01; 112725.R01; 121625.R02; 111725.09; 110325.13
Consumables : 418325019C; 418325095D; 346M6K; 8847202-2441; 2401051; 08/09/22; PG1727; BEL-13166-0001; 13175; P7623038; 070125CH01; 0820226; 50RWM0911W83; X002BSDL8D; 3110; 446447; 25104; 25/06/27; 0002276; 0002354; 7582002027; WO4544; WO4228; WO4869; 0002056; 0002044; 0002176; 0001315; 0002057; 0002491; 7809004030; 0002078; 0001763; WO4884; WO4768; 0001317; 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-331 (p-100 multi-channel, micro); NA-332 micro bottle top dispenser; NA-333 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
AFLATOXIN B1	ppb	2.010	5.000	20	PASS	ND	
AFLATOXIN B2	ppb	1.960	5.000	20	PASS	ND	
AFLATOXIN G1	ppb	1.820	5.000	20	PASS	ND	
AFLATOXIN G2	ppb	2.100	5.000	20	PASS	ND	
OCHRATOXIN A	ppb	2.190	5.000	20	PASS	ND	
TOTAL AFLATOXINS	ppb	1.820	5.000	20	PASS	ND	

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Batch #: 251211-MNDW-WA
Harvest/Lot ID: 251211-MNDW-WA
Seed to sale: 1A40A030000012F000230276

Ordered: 12/11/25
Sampled: 12/11/25
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PASSED

Mycotoxins

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER

Analyzed by: 414, 1172
Weight: 0.4167g
Extraction date: 12/14/25 12:37:22
Extracted by: 795

Analysis Method : SOP.T.40.104.MA
Analytical Batch : NA023751MYC
Instrument Used : NA-LCMS-003 (MYC)
Batch Date : 12/13/25 11:10:17
Analyzed Date : 12/16/25 09:14:42

Dilution : 12.5
Reagent : 121025.R04; 030725.01; 120125.R03; 121125.R09; 060922.01; 120625.R01
Consumables : MO0250508054; 9291.023; 9479291.023; 1530416; 1008855823; 1008897313; GD25001
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	ND	
CADMIUM	ppb	5.500	20.000	200	PASS	ND	
MERCURY	ppb	3.400	5.000	100	PASS	ND	
LEAD	ppb	8.000	20.000	500	PASS	ND	

Analyzed by: 990, 414, 1172
Weight: 0.5399g
Extraction date: 12/15/25 15:25:24
Extracted by: 990,1391

Analysis Method : SOP.T.30.084.MA, SOP.T.40.084.MA
Analytical Batch : NA023791HEA
Instrument Used : NA-ICPMS-002
Batch Date : 12/15/25 10:22:40
Analyzed Date : 12/18/25 10:55:50

Dilution : 50
Reagent : 062824.02; 062824.03; 103125.01; 112025.R14; 112025.R01; 120925.R02; 070224.01; 030725.01; 120525.18; 040325.01; 061025.10
Consumables : L205125M; 13175; 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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