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

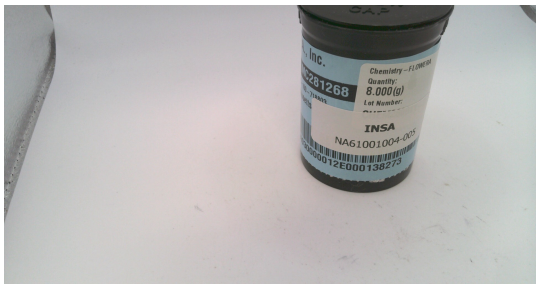
Kaycha Labs

Chemistry
Matrix: Plant Material
Classification: Raw Plant Material
Type: Flower-Cured

# Certificate of Analysis



## PASSED




**Harvest/Lot #:** CHEM260911-3-2A1
**Batch #:** CHEM260911-3-2A1
**Production Method:** Cured
**Retail Product Size:** 8 gram
**Retail Serving Size:** 8 gram
**Servings:** 1
**Metrc Package #:**
1A40A030000012E000138273
**Metrc Source Package # :**
1A40A030000012E000138272

**Lab ID: NA61001004-005**
**Ordered:** 10/01/26
**Sampled Date:** 10/01/26
**Sample Size:** 8 gram
**Completed:** 10/08/26
**Manifest #:** 0003448615

**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**
**31.2260%**

**Total CBD**
**ND**

**Total Cannabinoids**
**36.7160%**



| | TOTAL CANNABINOIDS | TOTAL TAC | TOTAL THC | TOTAL CBD | THCA | D9-THC | CBDA | CBDV | CBD | CBC | THCVA | THCV | CBGA | CBG | CBN | D8-THC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % | 36.7160 | 32.2670 | 31.2260 | ND | 34.9840 | 0.5450 | ND | ND | ND | ND | 0.2460 | ND | 0.9410 | ND | ND | ND |
| mg/g | 367.1600 | 322.6697 | 312.2597 | ND | 349.8400 | 5.4500 | ND | ND | ND | ND | 2.4600 | ND | 9.4100 | ND | ND | ND |
| Qualifier | | | | | | | | | | | | | | | | |
| LOD (%) | 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 | 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 | 0.1000 | 0.1000 | 0.1000 | 0.1000 | 0.1000 |

**Analyzed by:**
1425, 623, 1142, 990, 1623

**Weight:**
0.2112g

**Extraction date:**
10/02/26 09:38:46

**Extracted by:**
1280,1425

**Analysis Method :** SOP.T.30.031, SOP.T.40.031
**Analytical Batch :** NA031549POT
**Instrument Used :** NA-HPLC-003 (Potency - Flower)
**Batch Date :** 10/01/26 16:27:01
**Analyzed Date :** 10/05/26 20:22:42

**Dilution :** 400
**Reagent :** 091426.15; 093025.03; 091626.01; 092226.R08; 092226.R09; 091926.R02; 092926.R01; 091026.R01
**Consumables :** 092625CK01; 9479291.009; 2602231; 04511039; 1009318699; 1011304115; 250406E; 220215E-15; GD250006; 344051250
**Pipette :** NA-221 (P-10); NA-286 (Dispenser); 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 | LIMIT | LOD | LOQ | RESULT(%) | (MG/G) | QUALIFIER | PASS/FAIL |
|---|---|---|---|---|---|---|---|
| TOTAL TERPENES | | 0.020 | 0.020 | 3.331 | 33.310 | | TESTED |
| BETA-MYRCENE | | 0.020 | 0.020 | 1.064 | 10.640 | | TESTED |
| BETA-CARYOPHYLLENE | | 0.020 | 0.020 | 0.569 | 5.690 | | TESTED |

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**Margaret Teasdale**
Lab Director

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Accreditation # 97164

Signature
10/08/26
**Laboratory License #:** IL281349

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# Certificate of Analysis



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myinsa.com
**License # :** MP281426

**Sample: NA61001004-005**
**Batch #:** CHEM260911-3-2A1
**Harvest/Lot ID:** CHEM260911-3-2A1
**Seed to sale:** 1A40A030000012E000138273

**Ordered:** 10/01/26
**Sampled:** 10/01/26
**Completed:** 10/08/26

**PASSED**

## Terpenes

**TESTED**

| ANALYTES | LIMIT | LOD | LOQ | RESULT(%) | (MG/G) | QUALIFIER | PASS/FAIL |
|---|---|---|---|---|---|---|---|
| LIMONENE | | 0.020 | 0.020 | 0.560 | 5.600 | | TESTED |
| LINALOOL | | 0.020 | 0.020 | 0.408 | 4.080 | | TESTED |
| ALPHA-HUMULENE | | 0.020 | 0.020 | 0.199 | 1.990 | | TESTED |
| ALPHA-BISABOLOL | | 0.020 | 0.020 | 0.146 | 1.460 | | TESTED |
| BETA-PINENE | | 0.020 | 0.020 | 0.103 | 1.030 | | TESTED |
| FENCHYL ALCOHOL | | 0.020 | 0.020 | 0.067 | 0.670 | | TESTED |
| ALPHA-TERPINEOL | | 0.020 | 0.020 | 0.064 | 0.640 | | TESTED |
| TRANS-NEROLIDOL | | 0.020 | 0.020 | 0.055 | 0.550 | | TESTED |
| ALPHA-PINENE | | 0.020 | 0.020 | 0.051 | 0.510 | | TESTED |
| FARNESENE | | 0.020 | 0.020 | 0.023 | 0.230 | | TESTED |
| CAMPHENE | | 0.020 | 0.020 | 0.022 | 0.220 | | TESTED |
| 3-CARENE | | 0.020 | 0.020 | ND | ND | | TESTED |
| BORNEOL | | 0.020 | 0.020 | ND | ND | | TESTED |
| CAMPHOR | | 0.020 | 0.020 | ND | ND | | TESTED |
| CARYOPHYLLENE OXIDE | | 0.020 | 0.020 | ND | ND | | TESTED |
| CEDROL | | 0.002 | 0.020 | ND | ND | | TESTED |
| EUCALYPTOL | | 0.020 | 0.020 | ND | ND | | TESTED |
| FENCHONE | | 0.020 | 0.020 | ND | ND | | TESTED |
| GERANIOL | | 0.020 | 0.020 | ND | ND | | TESTED |
| GERANYL ACETATE | | 0.020 | 0.020 | ND | ND | | TESTED |
| GUAIOL | | 0.020 | 0.020 | ND | ND | | TESTED |
| HEXAHYDROTHYMOL | | 0.020 | 0.020 | ND | ND | | TESTED |
| ISOBORNEOL | | 0.020 | 0.020 | ND | ND | | TESTED |
| ISOPULEGOL | | 0.020 | 0.020 | ND | ND | | TESTED |
| NEROL | | 0.020 | 0.020 | ND | ND | | TESTED |
| OCIMENE | | 0.020 | 0.020 | ND | ND | | TESTED |
| PULEGONE | | 0.020 | 0.020 | ND | ND | | TESTED |
| SABINENE | | 0.020 | 0.020 | ND | ND | | TESTED |
| SABINENE HYDRATE | | 0.020 | 0.020 | ND | ND | | TESTED |
| TERPINOLENE | | 0.020 | 0.020 | ND | ND | | TESTED |
| VALENCENE | | 0.020 | 0.020 | ND | ND | | TESTED |
| ALPHA-CEDRENE | | 0.020 | 0.020 | ND | ND | | TESTED |
| ALPHA-PHELLANDRENE | | 0.020 | 0.020 | ND | ND | | TESTED |
| ALPHA-TERPINENE | | 0.020 | 0.020 | ND | ND | | TESTED |
| CIS-NEROLIDOL | | 0.020 | 0.020 | ND | ND | | TESTED |
| GAMMA-TERPINENE | | 0.020 | 0.020 | ND | ND | | TESTED |
| P-CYMENE | | 0.020 | 0.020 | ND | ND | | TESTED |

**Analyzed by:** 1583, 990, 1623
**Weight:** 0.4662g
**Extraction date:** 10/02/26 15:31:12
**Extracted by:** 990,53

**Analysis Method :** SOP.T.30.064.MA, SOP.T.40.064.MA
**Analytical Batch :** NA031559TER
**Instrument Used :** NA-GCMS-002 (Terpenes)
**Batch Date :** 10/01/26 19:18:25
**Analyzed Date :** 10/08/26 10:56:27

**Dilution :** 10
**Reagent :** N/A
**Consumables :** N/A
**Pipette :** N/A

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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10/08/26
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Matrix: Plant Material
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Type: Flower-Cured

# Certificate of Analysis



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**License # :** MP281426

**Sample: NA61001004-005**
**Batch #:** CHEM260911-3-2A1
**Harvest/Lot ID:** CHEM260911-3-2A1
**Seed to sale:** 1A40A030000012E000138273

**Ordered:** 10/01/26
**Sampled:** 10/01/26
**Completed:** 10/08/26

**PASSED**

## Pesticide

**PASSED**

| ANALYTES | LIMIT | LOD | LOQ | RESULT | UNIT | QUALIFIER | PASS/FAIL |
|---|---|---|---|---|---|---|---|
| BIFENTHRIN | 10 | 2.24 | 10.0 | ND | ppb | | PASS |
| BIFENAZATE | 10 | 2.46 | 10.0 | ND | ppb | | PASS |
| ETOXAZOLE | 10 | 1.79 | 10.0 | ND | ppb | | PASS |
| IMAZALIL | 10 | 3.05 | 10.0 | ND | ppb | | PASS |
| IMIDACLOPRID | 10 | 1.86 | 10.0 | ND | ppb | | PASS |
| MYCLOBUTANIL | 10 | 2.90 | 10.0 | ND | ppb | | PASS |
| SPIROMESIFEN | 10 | 2.97 | 10.0 | ND | ppb | | PASS |
| TRIFLOXYSTROBIN | 10 | 1.56 | 10.0 | ND | ppb | | PASS |
| CYFLUTHRIN | 10 | 3.75 | 10.0 | ND | ppb | | PASS |

**Analyzed by:** 139, 1544, 1623
**Weight:** 0.5046g
**Extraction date:** 10/02/26 13:49:11
**Extracted by:** 795,735

**Analysis Method :** SOP.T.40.104.MA
**Analytical Batch :** NA031558PES
**Instrument Used :** NA-LCMS-003 (Pesticides)
**Batch Date :** 10/01/26 17:59:15
**Analyzed Date :** 10/05/26 16:21:55

**Dilution :** 12.5
**Reagent :** 100126.R01; 092426.R06; 092026.R03; 041223.11; 091726.R03; 093026.R02; 092426.R05; 071526.R02; 092626.R03; 092626.R04
**Consumables :** 9479291.009; 8580110; 1009318699; 1011304115; 1009453529; MO0260521091; GD250006; USEEN02608; EEZ0004718
**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, 1544, 1623
**Weight:** 0.5046g
**Extraction date:** 10/02/26 13:49:11
**Extracted by:** 795,735

**Analysis Method :** SOP.T.40.154.MA, SOP.T.40.151.MA
**Analytical Batch :** NA031574VOL
**Instrument Used :** NA-GCMS-006 (Volatile Pesticides)
**Batch Date :** 10/02/26 16:05:09
**Analyzed Date :** 10/05/26 16:45:29

**Dilution :** 12.5
**Reagent :** 100126.R01; 092426.R06; 092026.R03; 041223.11; 091726.R03
**Consumables :** 9479291.009; 8580110; 1009318699; 1011304115; 1009453529; MO0260521091; GD250006
**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 via GC-MSMS).

## Microbial

**PASSED**

| ANALYTES | LIMIT | LOD | LOQ | RESULT | UNIT | QUALIFIER | PASS/FAIL |
|---|---|---|---|---|---|---|---|
| TOTAL COLIFORMS | 1000 | 10.0 | 10.0 | ND | cfu/g | | PASS |
| TOTAL VIABLE AEROBIC BACTERIA | 100001 | 10.0 | 10.0 | ND | cfu/g | | PASS |
| BILE TOLERANT GRAM NEGATIVE BACTERIA | 1000 | 10.0 | 10.0 | ND | cfu/g | | PASS |
| TOTAL YEAST AND MOLD | 10000 | 100 | 100 | 790 | cfu/g | | PASS |
| ESCHERICHIA COLI SPECIFIC GENE | 2000 | 2000 | 2000 | Not Present | pass/fail | | PASS |
| SALMONELLA SPECIFIC GENE | 10000 | 10000 | 10000 | Not Present | pass/fail | | PASS |

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**Sample: NA61001004-005**
**Batch #:** CHEM260911-3-2A1
**Harvest/Lot ID:** CHEM260911-3-2A1
**Seed to sale:** 1A40A030000012E000138273

**Ordered:** 10/01/26
**Sampled:** 10/01/26
**Completed:** 10/08/26

**PASSED**

## Microbial

**PASSED**

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

**Analyzed by:** 870, 990, 1623
**Weight:** 0.9802g
**Extraction date:** 10/02/26 07:28:20
**Extracted by:** 388,1425

**Analysis Method :** SOP.T.40.056C, SOP.T.40.209.MA, SOP.T.40.206.MA
**Analytical Batch :** NA031543MIC
**Instrument Used :** NA-PCR-001 (Microbial)
**Batch Date :** 10/01/26 15:56:35
**Analyzed Date :** 10/08/26 10:19:48

**Dilution :** 900
**Reagent :** N/A
**Consumables :** 418325178A; 08/09/22; PG1821; 602995; DMAX12K25S; 8580110; 2602231; DMAX09C26S; 024603; 009604; 025603; 8580110; 13235252609; X002BSDL8D; MKDB6516; 260612001; 26204; 251109-119-CF; 0002734; 0002555; 0002840; WO4957; WO4756; WO5318; 0002284; 0002285; 0002676; 0001497; 0002261; WO5297; WO4272; WO3882; WO4135; 7811004066; 7811004073; 0002600; 0002507; WO5134; WO5079; 0002470; 0002510; 0000659802; 0000659773; 0000658588; 1011196575; 1010204253; 1011510474; 1011466624
**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-355 micro bottle top dispenser; NA-356 micro bottle top dispenser; NA-357 micro bottle top dispenser

Microbiological testing for Fungal, Salmonella, and E. Coli via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification (Methods SOP.T.40.206.MA and 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. Microbiological testing for Total Aerobic, Total Coliforms, and Bile-Tolerant Gram Negative Bacteria methods utilize plating techniques.

## Mycotoxins

**PASSED**

| ANALYTES | LIMIT | LOD | LOQ | RESULT | UNIT | QUALIFIER | PASS/FAIL |
|---|---|---|---|---|---|---|---|
| AFLATOXIN B1 | 20 | 2.01 | 5.00 | ND | ppb | | PASS |
| AFLATOXIN B2 | 20 | 1.96 | 5.00 | ND | ppb | | PASS |
| AFLATOXIN G1 | 20 | 1.82 | 5.00 | ND | ppb | | PASS |
| AFLATOXIN G2 | 20 | 2.10 | 5.00 | ND | ppb | | PASS |
| OCHRATOXIN A | 20 | 2.19 | 5.00 | ND | ppb | | PASS |
| TOTAL AFLATOXINS | 20 | 1.82 | 5.00 | ND | ppb | | PASS |

**Analyzed by:** 139, 1544, 1623
**Weight:** 0.5046g
**Extraction date:** 10/02/26 13:49:11
**Extracted by:** 795,735

**Analysis Method :** SOP.T.40.104.MA
**Analytical Batch :** NA031573MYC
**Instrument Used :** NA-LCMS-003 (MYC)
**Batch Date :** 10/02/26 16:04:01
**Analyzed Date :** 10/05/26 16:12:21

**Dilution :** 12.5
**Reagent :** 100126.R01; 092426.R06; 092026.R03; 041223.11; 091726.R03; 093026.R02; 092426.R05; 071526.R02; 092626.R03; 092626.R04
**Consumables :** 9479291.009; 8580110; 1009318699; 1011304115; 1009453529; MO0260521091; GD250006; USEEN02608; EEZ0004718
**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 | LIMIT | LOD | LOQ | RESULT | UNIT | QUALIFIER | PASS/FAIL |
|---|---|---|---|---|---|---|---|
| ARSENIC | 200 | 6.72 | 10.0 | ND | ppb | | PASS |
| CADMIUM | 200 | 9.26 | 10.0 | ND | ppb | | PASS |
| MERCURY | 100 | 3.40 | 5.00 | 7.55 | ppb | | PASS |
| LEAD | 500 | 8.85 | 10.0 | ND | ppb | | PASS |

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**Sample: NA61001004-005**
**Batch #:** CHEM260911-3-2A1
**Harvest/Lot ID:** CHEM260911-3-2A1
**Seed to sale:** 1A40A030000012E000138273

**Ordered:** 10/01/26
**Sampled:** 10/01/26
**Completed:** 10/08/26

**PASSED**

## Heavy Metals

**PASSED**

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

**Analyzed by:** 1391, 1544, 1623
**Weight:** 0.3049g
**Extraction date:** 10/02/26 10:59:55
**Extracted by:** 1391,1546

**Analysis Method :** SOP.T.30.084.MA, SOP.T.40.084.MA
**Analytical Batch :** NA031536HEA
**Instrument Used :** NA-ICPMS-001,Anton-Paar Microwave Go NA-145
**Batch Date :** 10/01/26 14:52:02
**Analyzed Date :** 10/05/26 16:01:29

**Dilution :** 50
**Reagent :** 052626.09; 052626.10; 040726.02; 092226.R02; 092226.R20; 070726.05; 070224.01; 093025.03; 091126.01; 090126.01
**Consumables :** 13358; DMAX09C26S; 1011304115; GD250006
**Pipette :** NA-012 (P-200); NA-255 (10mL Dispensette, HCL); NA-362 (5 mL Bottle Top Dispenser, Nitric Acid); NA-363 (5 mL Bottle Top Dispenser, Water, HEA)

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.

This Kaycha Labs Certification shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. The results relate only to the material or product analyzed. ND=Not Detected, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be detected and reliably measured by an analytical procedure, respectively. RSD=Relative Standard Deviation. Action Levels are State determined thresholds based on 935 CMR 500.160 and the CCC guidance document "Protocol for the Sampling and Analysis of Finished Marijuana Products and Marijuana Products for Marijuana Establishments, Medical Marijuana Treatment Centers, and Colocated Marijuana Operations" section 7.0. The Measurement of Uncertainty (MU) error is available from the lab upon request. The "Decision Rule" for pass/fail does not include the MU.

**Margaret Teasdale**
Lab Director

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Accreditation # 97164

Signature
10/08/26
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