Analytics Labs
28C Appleton Street Suite 3
Holyoke, MA 01040

(413) 534-LABS (5227)
https://www.myanalyticslabs.com
Lic# IL281280

# Certificate of Analysis



## M00004053723: TestSample.LimeTrail

METRC Sample: 1A40A030000B98D000180338; METRC Manifest: 0003375109; Metrc Source ID: 1A40A030000B98D000149501

**Sample ID: 2608ANS2054-14191**
Strain: Lime Trail
Plant, Flower - Cured, Finished Plant Material, Plant Material, , All uses

Produced: 07/16/2026
Completed: 08/21/2026
Expiration: 08/21/2027
Batch ID: 2026_07_16(394)Lime Trail_A

Client
**Mass Grow / Ascend**
Lic. # MP281460
134 Chestnut Hill Ave
Athol, MA 01331

Sample Size: 12.4 g
COC #: 2608ANS2054; Number of Servings: ; Growth Material: N/A; Extraction Solvent: N/A; Remediated: Yes; Revision Notes: ; Amended: No; Sample Condition: Intact;



## Summary

| Test | Date Tested | Result |
|---|---|---|
| Cannabinoids | 08/20/2026 | Complete |
| Moisture | | NR - Complete |
| Water Activity | | NR - Complete |
| Terpenes | 08/18/2026 | Complete |
| Microbials | 08/17/2026 | Pass |
| Mycotoxins | 08/18/2026 | Pass |
| Pesticides | 08/18/2026 | Pass |
| Heavy Metals | 08/18/2026 | Pass |
| Product Approved | | May be dispensed for all uses |

Moisture analyzed per SOP-004

Instrument ID: WA-1
Water Activity analyzed per SOP-020. NT= Not Tested, NR = Not Reported.

## Cannabinoids

Complete

| 20.882% | ND | 22.848% |
|---|---|---|
| Total Active THC | Total Active CBD | Total Active Cannabinoids |

| Analyte | LOD % | LOQ % | Result % | Result mg/g | Qualifiers |
|---|---|---|---|---|---|
| THCa | 0.00002 | 0.00010 | 22.669 | 226.686 | |
| Δ9-THC | 0.00002 | 0.00010 | 1.002 | 10.019 | |
| Δ8-THC | 0.00002 | 0.00010 | ND | ND | |
| THCVa | 0.00002 | 0.00010 | 1.274 | 12.738 | |
| THCV | 0.00001 | 0.00010 | ND | ND | |
| CBDa | 0.00001 | 0.00010 | ND | ND | |
| CBD | 0.00001 | 0.00010 | ND | ND | |
| CBDVa | 0.00001 | 0.00010 | ND | ND | |
| CBDV | 0.00001 | 0.00010 | ND | ND | |
| CBNa | 0.00004 | 0.00010 | ND | ND | |
| CBN | 0.00002 | 0.00010 | ND | ND | |
| CBGa | 0.00001 | 0.00010 | 0.764 | 7.641 | |
| CBG | 0.00002 | 0.00010 | 0.179 | 1.789 | |
| CBCa | 0.00004 | 0.00010 | ND | ND | |
| CBC | 0.00001 | 0.00010 | ND | ND | |
| CBL | 0.00003 | 0.00010 | ND | ND | |
| CBT | 0.00002 | 0.00010 | ND | ND | |
| **Total Available THC** | | | **23.670** | **236.705** | |
| **Total Active THC** | | | **20.882** | **208.823** | |
| **Total Available CBD** | | | **ND** | **ND** | |
| **Total Active CBD** | | | **ND** | **ND** | |
| **Total Available Cannabinoids** | | | **25.887** | **258.872** | |
| **Total Active Cannabinoids** | | | **22.848** | **228.483** | |

Entered by: 49; Instrument ID: 4; Date Tested: 08/20/2026;
Cannabinoids analyzed by SOP-009. LOD= Limit of Detection, LOQ = Limit of Quantitation, ND = Not Detected. Total Available THC = D9-THC + THCA. Total Active THC = D9-THC + (THCA0.877). Total Available CBD = CBD + CBDA. Total Active CBD = CBD +(CBDA0.877). Total Active Cannabinoids = THCA0.877+ d9 THC+ d8 THC+ THCVA0.877+ THCV+ CBDA 0.877 + CBD+ CBDV+ CBDVA 0.877+ CBNA0.877+ CBN + CBGA0.877+ CBG + CBCA*0.877+CBC+ CBL+ CBT. Total Available Cannabinoids = sum of all detected cannabinoids.

PJLA Testing
Accreditation #104289

Ryan Picard
Lab Director
08/21/2026

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Sample Size: 12.4 g
COC #: 2608ANS2054; Number of Servings: ; Growth Material: N/A; Extraction Solvent: N/A; Remediated: Yes; Revision Notes: ; Amended: No; Sample Condition: Intact;

## Terpenes

| Analyte | CAS # | LOD % | LOQ % | Result % | Result mg/g | Qualifiers |
|---|---|---|---|---|---|---|
| Terpinolene | | 0.00001 | 0.0001 | 0.50 | 4.975 | |
| β-Caryophyllene | | 0.00002 | 0.0001 | 0.28 | 2.789 | |
| trans-Ocimene | | 0.00001 | 0.0001 | 0.14 | 1.418 | |
| d-Limonene | | 0.00002 | 0.0001 | 0.13 | 1.316 | |
| β-Myrcene | | 0.00001 | 0.0001 | 0.12 | 1.195 | |
| Linalool | | 0.00002 | 0.0001 | 0.09 | 0.909 | |
| β-Farnesene | | 0.00003 | 0.0001 | 0.08 | 0.829 | |
| α-Humulene | | 0.00002 | 0.0001 | 0.08 | 0.813 | |
| β-Pinene | | 0.00001 | 0.0001 | 0.08 | 0.809 | |
| α-Terpineol | | 0.00003 | 0.0001 | 0.07 | 0.669 | |
| α-Pinene | | 0.00001 | 0.0001 | 0.04 | 0.423 | |
| (+)-Fenchol | | 0.00003 | 0.0001 | 0.03 | 0.274 | |
| 3-Carene | | 0.00001 | 0.0001 | 0.02 | 0.209 | |
| R-(-)-α-Phellandrene | | 0.00001 | 0.0001 | 0.02 | 0.179 | |
| α-Terpinene | | 0.00001 | 0.0001 | 0.02 | 0.153 | |
| Sabinene | | 0.00009 | 0.0001 | 0.01 | 0.142 | |
| Nerolidol | | 0.00001 | 0.0001 | 0.01 | 0.130 | |
| γ-Terpinene | | 0.00002 | 0.0001 | 0.01 | 0.129 | |
| Caryophyllene Oxide | | 0.00002 | 0.0001 | 0.01 | 0.114 | |
| α-Bisabolol | | 0.00002 | 0.0001 | ND | ND | |
| α-Cedrene | | 0.00001 | 0.0001 | ND | ND | |
| β-Cedrene | | 0.00001 | 0.0001 | ND | ND | |
| Camphene | | 0.00001 | 0.0001 | ND | ND | |
| Camphor | | 0.00002 | 0.0001 | ND | ND | |
| Cedrol | | 0.00002 | 0.0001 | ND | ND | |
| cis-Farnesol | | 0.00002 | 0.0001 | ND | ND | |
| cis-Ocimene | | 0.00001 | 0.0001 | ND | ND | |
| Citronellol | | 0.00001 | 0.0001 | ND | ND | |
| **Total** | | | | **1.75** | **17.474** | |

## Primary Aromas

Turpentine | Cinnamon | Earthy | Orange | Hops

Entered by: 42
Instrument ID: GC-3 Back
Date Tested: 08/18/2026
LOD= Limit of Detection, LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010. Nerolidol = Sum of Cis and Trans-Nerolidol.

Accreditation #104289

Ryan Picard
Lab Director
08/21/2026

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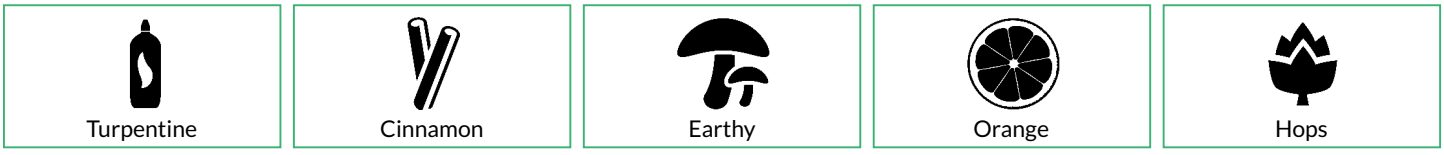
Sample Size: 12.4 g
COC #: 2608ANS2054; Number of Servings: ; Growth Material: N/A; Extraction Solvent: N/A; Remediated: Yes; Revision Notes: ; Amended: No; Sample Condition: Intact;

## Terpenes

| Analyte | CAS # | LOD | LOQ | Result | Result | Qualifiers |
|---|---|---|---|---|---|---|
| | | % | % | % | mg/g | |
| (S)-(+)-Carvone | | 0.00002 | 0.0001 | ND | ND | |
| delta-Valerolactam | | 0.00002 | 0.0005 | ND | ND | |
| Eucalyptol | | 0.00001 | 0.0001 | ND | ND | |
| Geraniol | | 0.00001 | 0.0001 | ND | ND | |
| Geranyl Acetate | | 0.00002 | 0.0001 | ND | ND | |
| Isobornyl Acetate | | 0.00002 | 0.0001 | ND | ND | |
| (-)-Fenchone | | 0.00002 | 0.0001 | ND | ND | |
| m-Cymene | | 0.00002 | 0.0001 | ND | ND | |
| Menthol | | 0.00003 | 0.0001 | ND | ND | |
| L-Menthone | | 0.00002 | 0.0001 | ND | ND | |
| Nerol | | 0.00002 | 0.0001 | ND | ND | |
| Nootkatone | | 0.00002 | 0.0001 | ND | ND | |
| o-Cymene | | 0.00002 | 0.0001 | ND | ND | |
| (-)-Isopulegol | | 0.00002 | 0.0001 | ND | ND | |
| (+)-Borneol | | 0.00002 | 0.0001 | ND | ND | |
| (-)-Guaiol | | 0.00002 | 0.0001 | ND | ND | |
| Phytane | | 0.00002 | 0.0001 | ND | ND | |
| Piperitone | | 0.00002 | 0.0001 | ND | ND | |
| (+)-Pulegone | | 0.00002 | 0.0001 | ND | ND | |
| p-Cymene | | 0.00001 | 0.0001 | ND | ND | |
| Sabinene Hydrate | | 0.00002 | 0.0001 | ND | ND | |
| Safranal | | 0.00002 | 0.0001 | ND | ND | |
| Terpinen-4-ol | | 0.00001 | 0.0001 | ND | ND | |
| Thymol | | 0.00002 | 0.0001 | ND | ND | |
| trans-Citral | | 0.00002 | 0.0001 | ND | ND | |
| trans-Farnesol | | 0.00002 | 0.0001 | ND | ND | |
| Valencene | | 0.00002 | 0.0001 | ND | ND | |
| **Total** | | | | **1.75** | **17.474** | |

## Primary Aromas

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## Pesticides

Pass

| Analyte | LOD | LOQ | Limit | Result | Qualifiers | Status |
|---|---|---|---|---|---|---|
| | PPB | PPB | PPB | PPB | | |
| Bifenazate | 3.2015 | 5.7169 | 10.0000 | ND | | Pass |
| Bifenthrin | 0.8241 | 5.1504 | 10.0000 | ND | | Pass |
| Cyfluthrin | 1.0301 | 5.1504 | 10.0000 | ND | | Pass |
| Etoxazole | 3.7274 | 5.7169 | 10.0000 | ND | | Pass |
| Imazalil | 3.9561 | 5.7169 | 10.0000 | ND | | Pass |
| Imidacloprid | 1.9209 | 5.7169 | 10.0000 | ND | | Pass |
| Myclobutanil | 3.3158 | 5.7169 | 10.0000 | ND | | Pass |
| Spiromesifen | 3.6588 | 5.7169 | 10.0000 | ND | | Pass |
| Trifloxystrobin | 3.0414 | 5.7169 | 10.0000 | ND | | Pass |

Entered by: 10
Instrument ID 1: LCMS-2
Instrument ID 2: GCMS-4
Date Tested (LC): 08/18/2026
Date Tested (GC): 08/18/2026
LOD= Limit of Detection, LOQ = Limit of Quantitation. Pesticides analyzed by SOP-008

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## Microbials

Pass

| Analyte | Limit | Results | Qualifiers | Status |
|---|---|---|---|---|
| | CFU/g | CFU/g | | |
| (ECPT) E. coli (O157) | Not Detected in 1g | Not Detected | | Pass |
| (SPT) Salmonella | Not Detected in 1g | Not Detected | | Pass |
| (AC) Total Viable Aerobic Bacteria | 100000 | <100 | | Pass |
| (YM) Total Yeast & Mold | 10000 | <100 | | Pass |
| (EB) Total Bile-Tolerant Gram Negative Bacteria | 1000 | <100 | | Pass |
| (CC) Total Coliforms | 1000 | <100 | | Pass |
| Hop-Latent Viroid | 1 | NR | | NT |
| Cannabis Cryptic Virus | 1 | NR | | NT |
| Lettuce Chlorosis Virus | 1 | NR | | NT |

Entered by: 78
Instrument ID: PCR-1
Date Tested: 08/17/2026
Plating of Total Aerobic bacteria, Bile-Tolerant Gram-negative bacteria, total Coliforms, and total yeast & mold are analyzed by SOP-006. Shiga Toxin-Producing Escherichia coli and Salmonella spp. are analyzed by SOP-019. Viruses analyzed by SOP-016, are non-compliant, and NOT ISO accredited. NR = Not Reported, NT = Not Tested, TNTC = Too Numerous To Count.

## Mycotoxins

Pass

| Analyte | LOD | LOQ | Limit | Results | Qualifiers | Status |
|---|---|---|---|---|---|---|
| | ug/kg | ug/kg | ug/kg | ug/kg | | |
| Total Aflatoxins | 0.1 | 0.2 | 20.0 | ND | | Pass |
| Ochratoxin A | 0.1 | 0.5 | 20.0 | ND | | Pass |

Entered by: 10
Instrument ID: LCMS-2
Date Tested: 08/17/2026
LOD= Limit of Detection, LOQ = Limit of Quantitation. Mycotoxins analyzed by SOP-008.

## Heavy Metals

Pass

| Analyte | LOD | LOQ | Limit | Results | Qualifiers | Status |
|---|---|---|---|---|---|---|
| | ug/kg | ug/kg | ug/kg | ug/kg | | |
| Arsenic | 0.177 | 0.500 | 200.000 | ND | | Pass |
| Cadmium | 0.139 | 0.500 | 200.000 | ND | | Pass |
| Lead | 0.046 | 0.500 | 500.000 | ND | | Pass |
| Mercury | 0.031 | 0.200 | 100.000 | ND | | Pass |

Entered by: 55
Instrument ID: ICPMS-2
Date Tested: 08/17/2026
LOD = Limit of Detection. LOQ = Limit of Quantitation. Heavy Metals analyzed by SOP-005

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