ASSURED
TESTING LABORATORIES

Certificate of Analysis

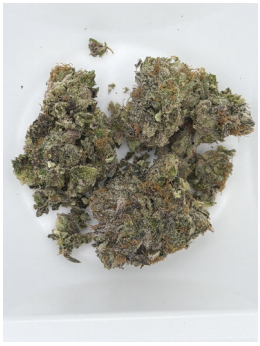
Advanced Cultivators, LLC
100 Phoenix Ave # 5
Lowell, MA 01852
rborges@advancedcultivators.com
(978) 854-3942
Lic. #MC283314

Sample: 2607AST0282-3889
Strain: Air Lemon
Harvest/Production Date: 2026-07-03; Batch Size: g;
Harvest Process Lot:
METRC Batch:
Report Created: 07/31/2026

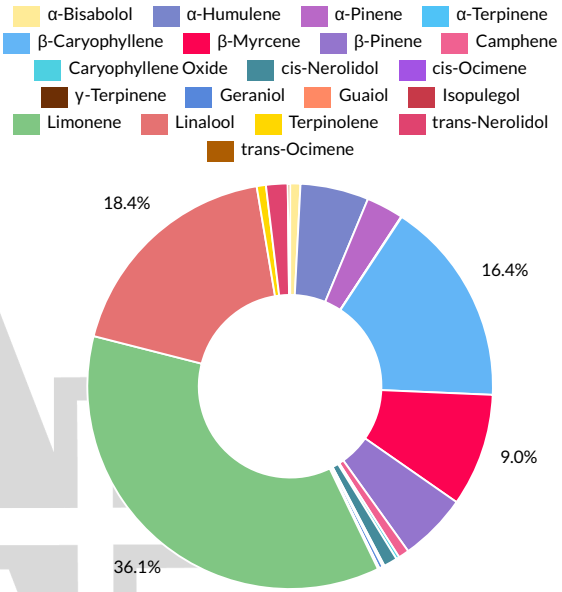
M00004591149: Air Lemon

Plant, Flower - Cured
METRC Sample: 1A40A030000CEA5000007512

☐ Sanitization ☐ Remediation



Terpenes



Cannabinoids

26.34%	0.08%	28.02%	31.79%
Total THC	Total CBD	Total Active Cannabinoids	Total Cannabinoids

Summary

Complete	Pass	Pass	Pass	Pass
2.145%				
Terpenes	Heavy Metals	Mycotoxins	Pesticides	Microbials

Primary Aromas

Orange	Lavender	Cinnamon	Hops	Pine

300 Potash Hill Road
Tyngsborough, MA
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Senior Laboratory Technician

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Cannabinoids — Complete

26.34%	0.08%	28.02%	31.79%
Total THC	Total CBD	Total Active Cannabinoids	Total Cannabinoids

Analyte	Method Detection Limit	Results	Results
	%	%	mg/g
THCa	0.0900	28.96	289.56
Δ9-THC	0.1100	0.95	9.48
Δ8-THC	0.1200	ND	ND
THCVa	0.1000	0.57	5.70
THCV	0.1200	ND	ND
CBDa	0.0800	0.09	0.88
CBD	0.1300	ND	ND
CBDVa	0.1000	ND	ND
CBDV	0.1200	ND	ND
CBNa	0.1000	ND	ND
CBN	0.1200	ND	ND
CBGa	0.1000	0.84	8.42
CBG	0.1300	0.15	1.46
CBCa	0.0900	0.24	2.43
CBC	0.1200	ND	ND
CBL	0.1300	ND	ND
Total Active Cannabinoids		**28.0174**	**280.1736**
Total Cannabinoids		**31.7935**	**317.9348**

Sample ID: 2607AST0282-3889, Date Received: 07/22/2026; Date Tested: 07/24/2026,
Analyst: 164740
Notes:
Total THC = d9 THC + (0.877*THCA), Total CBD = CBD + (0.877*CBDA)
SOP-002, HPLC-UV.

Pesticides — Pass

Analyte	Method Detection Limit	Results	Status
	PPB	PPB	
Bifenazate	2.000	ND	Pass
Bifenthrin	3.000	ND	Pass
Cyfluthrin	28.000	ND	Pass
Etoxazole	3.000	ND	Pass
Imazalil	3.000	ND	Pass
Imidacloprid	3.000	ND	Pass
Myclobutanil	3.000	ND	Pass
Spiromesifen	4.000	ND	Pass
Trifloxystrobin	3.000	ND	Pass

Sample ID: 2607AST0282-3889, Date Received: 07/22/2026;Date Tested: , Analyst: 155709
SOP-001, LC-MS

Microbials — Pass

Analyte	Method Detection Limit	Limit	Results	Status
	CFU/g	CFU/g	CFU/g	
Aerobic Bacteria	1000	100000	7700	Pass
Yeast & Mold	100	10000	3100	Pass
Bile-Tolerant Gram-Negative Bacteria	100	1000	ND	Pass
Coliforms	100	1000	ND	Pass
E. Coli			ND	Pass
Salmonella			ND	Pass

Sample ID: 2607AST0282-3889, Date Received: 07/22/2026; Date Tested: 07/23/2026,
Analyst: 155905
Quantitative Fungal Detect: SOP-007, PCR-Microplate
Quantitative Bacterial Detect: SOP-008, PCR-Microplate
Qualitative Bacterial Detect: SOP-009, PCR-Microplate

Heavy Metals — Pass

Analyte	Method Detection Limit	Limit	Results	Status
	PPB	PPB	PPB	
Arsenic	11.0000	200.0000	ND	Pass
Cadmium	16.0000	200.0000	ND	Pass
Lead	25.0000	500.0000	ND	Pass
Mercury	8.0000	100.0000	ND	Pass

Sample ID: 2607AST0282-3889, Date Received: 07/22/2026; Date Tested: 07/24/2026,
Analyst: 161903
SOP-003, ICP-MS

Mycotoxins — Pass

Analyte	Method Detection Limit	Limit	Results	Status
	PPB	PPB	PPB	
Aflatoxin B1	4.0	20.0	ND	Pass
Aflatoxin B2	4.0	20.0	ND	Pass
Aflatoxin G1	4.0	20.0	ND	Pass
Aflatoxin G2	5.0	20.0	ND	Pass
Ochratoxin A	5.0	20.0	ND	Pass
Total Aflatoxins		20.0	ND	Pass

Sample ID: 2607AST0282-3889, Date Received: 07/22/2026; Date Tested: 07/27/2026,Analyst: 155709
SOP-001, LC-MS

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☐ Sanitization ☐ Remediation

Terpenes

Sample ID: 2607AST0282-3889, Date Received: 07/22/2026; Date Tested: 07/31/2026, Analyst: 155709

Analyte	Method Detection Limit	Results	Results
	PPM	%	PPM
Limonene	2.500	0.775	7746.025
Linalool	2.500	0.394	3942.582
β-Caryophyllene	2.500	0.352	3517.157
β-Myrcene	2.500	0.193	1931.211
α-Humulene	2.500	0.117	1169.030
β-Pinene	2.500	0.117	1165.082
α-Pinene	2.500	0.064	635.421
trans-Nerolidol	2.500	0.037	369.114
cis-Nerolidol	2.500	0.023	232.421
Camphene	2.500	0.018	183.185
α-Bisabolol	2.500	0.018	175.622
Terpinolene	2.500	0.016	157.063
Geraniol	2.500	0.006	60.824
Caryophyllene Oxide	2.500	0.005	54.607
trans-Ocimene	2.500	0.004	40.255
cis-Ocimene	2.500	0.002	17.039
Isopulegol	2.500	0.002	16.983
γ-Terpinene	2.500	0.002	16.651
α-Terpinene	2.500	0.001	10.648
Guaiol	2.500	0.001	9.578
3-Carene	2.500	ND	ND
Eucalyptol	2.500	ND	ND
p-Cymene	2.500	ND	ND
Total		**2.145**	**21450.498**

Primary Aromas

- Orange
- Lavender
- Cinnamon
- Hops
- Pine

Notice of Conformity and Decision Rule: All decisions of "Pass" or "Fail" are determined based upon the limits set forth by the MA Cannabis Control Commission and its regulations. This includes, but is not limited to those denied in 935 CMR 501.000, 935 CMR 500.000, & Protocol for the Sampling and Analysis of Finished Marijuana Products and Marijuana Products for Marijuana Establishments, Medical Marijuana Treatment Centers, and Colocated Marijuana Operations. Assured Testing Laboratories does not apply the reported calculation measurement uncertainty to manufacturer or other sources of tolerance/specifications to determine a test result's pass or fail status. It is the responsibility of the end user to consider the measurement uncertainty when determining the instrument suitability.
SOP-005, GC-MS

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