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: 2606AST0252-3389
Strain: Purple Lobster
Harvest/Production Date: 2026-06-11; Batch Size: g;
Harvest Process Lot:
METRC Batch:
Report Created: 07/02/2026

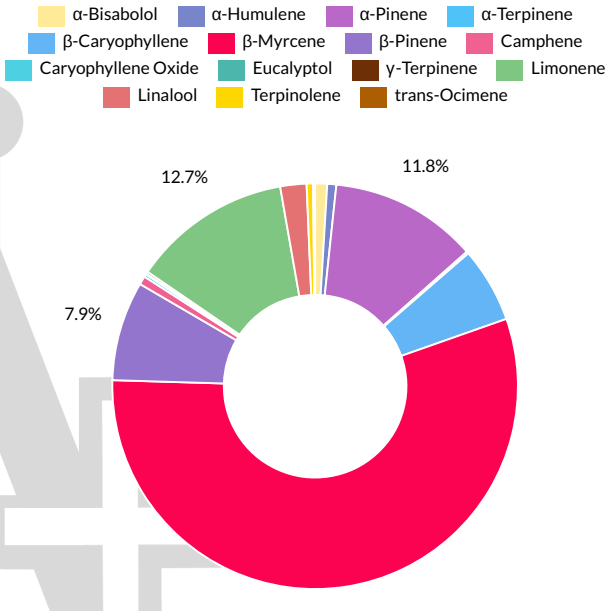
M00004591236: Purple Lobster

Plant, Flower - Cured
METRC Sample: 1A40A030000CEA5000007248

☐ Sanitization ☐ Remediation



Terpenes



Cannabinoids

23.35%	0.09%	26.89%	30.55%
Total THC	Total CBD	Total Active Cannabinoids	Total Cannabinoids

Summary

Complete	Pass	Pass	Pass	Pass
2.347%				
Terpenes	Heavy Metals	Mycotoxins	Pesticides	Microbials

Primary Aromas

Hops	Orange	Pine	Cinnamon	Lavender

300 Potash Hill Road
Tyngsborough, MA
(339) 233-4726
https://www.assuredtestinglab.com/home
Lic# IL281360

Edward Boumil
Dr. Edward Boumil
Senior Laboratory Technician

Suzanne Rohm
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Assured Testing Laboratories LLC (ATL) has performed analysis in compliance with ISO 17025-2017.
Analysis for terpenes are not a part of ISO 17025-2017 scope of accreditation.

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Cannabinoids — Complete

23.35%	0.09%	26.89%	30.55%
Total THC	Total CBD	Total Active Cannabinoids	Total Cannabinoids

Analyte	Method Detection Limit	Results	Results
	%	%	mg/g
THCa	0.0900	25.72	257.17
Δ9-THC	0.1100	0.80	8.00
Δ8-THC	0.1200	ND	ND
THCVa	0.1000	3.33	33.30
THCV	0.1200	ND	ND
CBDa	0.0800	0.10	1.05
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	0.37	3.68
CBG	0.1300	ND	ND
CBCa	0.0900	0.23	2.26
CBC	0.1200	ND	ND
CBL	0.1300	ND	ND
Total Active Cannabinoids		**26.8871**	**268.8708**
Total Cannabinoids		**30.5459**	**305.4589**

Sample ID: 2606AST0252-3389, Date Received: 06/29/2026; Date Tested: 06/30/2026,
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: 2606AST0252-3389, Date Received: 06/29/2026;Date Tested: 06/30/2026,
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	49000	Pass
Yeast & Mold	100	10000	1100	Pass
Bile-Tolerant Gram-Negative Bacteria	100	1000	ND	Pass
Coliforms	100	1000	ND	Pass
E. Coli			ND	Pass
Salmonella			ND	Pass

Sample ID: 2606AST0252-3389, Date Received: 06/29/2026; Date Tested: 06/30/2026,
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: 2606AST0252-3389, Date Received: 06/29/2026; Date Tested: 07/01/2026,
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: 2606AST0252-3389, Date Received: 06/29/2026; Date Tested:
06/30/2026,Analyst: 155709
SOP-001, LC-MS

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Terpenes

Sample ID: 2606AST0252-3389, Date Received: 06/29/2026; Date Tested: 07/01/2026, Analyst: 155709

Analyte	Method Detection Limit	Results	Results
	PPM	%	PPM
β-Myrcene	2.500	1.311	13110.342
Limonene	2.500	0.298	2980.088
α-Pinene	2.500	0.276	2764.986
β-Pinene	2.500	0.186	1861.263
β-Caryophyllene	2.500	0.140	1404.428
Linalool	2.500	0.049	490.823
α-Bisabolol	2.500	0.022	224.442
α-Humulene	2.500	0.017	169.268
Camphene	2.500	0.016	158.922
Terpinolene	2.500	0.012	120.702
Caryophyllene Oxide	2.500	0.005	50.832
γ-Terpinene	2.500	0.004	40.414
α-Terpinene	2.500	0.004	39.876
trans-Ocimene	2.500	0.004	36.687
Eucalyptol	2.500	0.001	14.931
3-Carene	2.500	ND	ND
cis-Nerolidol	2.500	ND	ND
cis-Ocimene	2.500	ND	ND
Geraniol	2.500	ND	ND
Guaiol	2.500	ND	ND
Isopulegol	2.500	ND	ND
p-Cymene	2.500	ND	ND
trans-Nerolidol	2.500	ND	ND
Total		**2.347**	**23468.004**

Primary Aromas

- Hops
- Orange
- Pine
- Cinnamon
- Lavender

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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