Smithers AMS LLC
790 Main St
Wareham, MA 02571
License #: IL281355
Phone: 508-295-2550

Certificate of Analysis



Customer: CNA Stores

Address:
57 South Hunt Road
Amesbury MA 01913

Phone: 978-317-5766

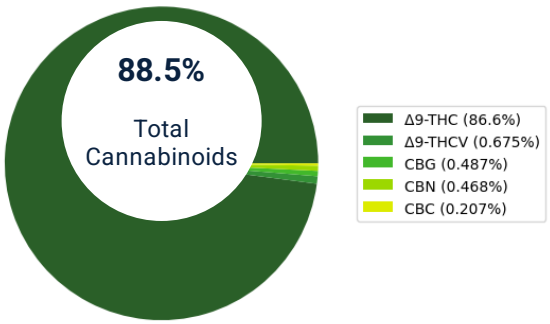
License #: MC282190, MP281691

Sample ID: 54457
Sample Name: M00004689704: Liquid Diamond Vapes - Blue Lobster - Bulk
Sample Strain: Blue Lobster
Sample Type: Vape
Received Date: 09/30/2026
Report Date: 10/05/2026
METRC ID: 1A40A030000E359000032870
METRC Source ID: 1A40A030000E359000032869
Client Batch ID: 26092405 - Liquid Diamond Vapes - Blue Lobster - Bulk
Sanitization Method: None
Client Sample Size: 5 each

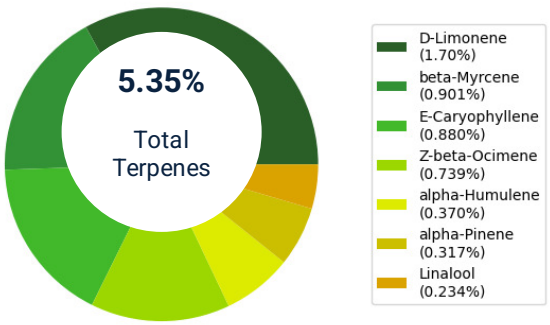
Results Summary

Cannabinoids	TESTED
10/02/2026	
Vitamin E Acetate	☑ PASS
10/02/2026	
Terpenes Extended	TESTED
10/05/2026	
Heavy Metals	☑ PASS
10/01/2026	
Microbial Impurities	☑ PASS
10/03/2026	
Residual Solvents	☑ PASS
10/02/2026	
Mycotoxins	☑ PASS
10/05/2026	

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 10/01/2026
Instrument: UPLC-PDA
Date Completed: 10/02/2026
Method: TP-09.001.06 & TP-09.012.07
Analyst: Lana Rivera (B144852)
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Δ9-THC	86.6	866	0.273	1.48
Δ9-THCV	0.675	6.75	0.00796	0.0591
CBG	0.487	4.87	0.00642	0.0738
CBN	0.468	4.68	0.0101	0.0738
CBC	0.207	2.07	0.00699	0.0591
CBD	<LOQ	<LOQ	0.0114	0.148
CBDVA	ND	ND	0.00994	0.0591
CBDV	ND	ND	0.0282	0.0591
CBDA	ND	ND	0.00931	0.148
CBGA	ND	ND	0.00579	0.0738
Δ8-THCV	ND	ND	0.0144	0.0591
THCVA	ND	ND	0.00627	0.0591
CBNA	ND	ND	0.00780	0.0591
Exo-THC	ND	ND	0.0118	0.0591
Δ8-THC	ND	ND	0.0259	0.0738
CBL	ND	ND	0.0175	0.0591
THCA	ND	ND	0.0236	0.148
CBCA	ND	ND	0.0190	0.0591
Total THC	**86.6**	**866**		
Total CBD	**<LOQ**	**<LOQ**		
Total Cannabinoids	**88.5**	**885**		

Total THC = Δ9-THC + (THCA x 0.877)
Total CBD = CBD + (CBDA x 0.877)
Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.
LOD = Limit of Detection; **LOQ** = Limit of Quantitation; **ND** = Not Detected.

Vitamin E Acetate

PASS

Date Started: 10/01/2026
Instrument: HPLC-PDA
Date Completed: 10/02/2026
Method: TP-09.006.04
Analyst: Meagan Mattos (B154555)
Deviation: N/A

Analyte	Result (ppm)	LOD (ppm)	LOQ (ppm)	Status
Tocopheryl Acetate	ND	41.9	138	Pass

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Terpenes Extended

Date Started: 10/01/2026
Instrument: GC-MS

Date Completed: 10/05/2026
Method: TP-09.004.06

Analyst: Lana Rivera (B144852)
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
D-Limonene	1.70	17.0	0.00292	0.0138
beta-Myrcene	0.901	9.01	0.00232	0.0138
E-Caryophyllene	0.880	8.80	0.00607	0.0138
Z-beta-Ocimene	0.739	7.39	0.00559	0.0138
alpha-Humulene	0.370	3.70	0.00298	0.0138
alpha-Pinene	0.317	3.17	0.00116	0.0138
Linalool	0.234	2.34	0.00421	0.0138
beta-Pinene	0.161	1.61	0.00286	0.0138
Camphene	0.0433	0.433	0.00152	0.0138
Guaiol	<LOQ	<LOQ	0.00301	0.0138
E-beta-Ocimene	ND	ND	0.00571	0.0138
gamma-Terpineol	ND	ND	0.00248	0.0138
Isopulegol	ND	ND	0.00670	0.0138
Nerol	ND	ND	0.00435	0.0138
Geraniol	ND	ND	0.00430	0.0138
Pulegone	ND	ND	0.00524	0.0138
Valencene	ND	ND	0.00365	0.0138
Z-Nerolidol	ND	ND	0.00375	0.0138
E-Nerolidol	ND	ND	0.00315	0.0138
Caryophyllene Oxide	ND	ND	0.00313	0.0138
alpha-Bisabolol	ND	ND	0.00512	0.0138
Eucalyptol	ND	ND	0.00419	0.0138
Sabinene	ND	ND	0.00471	0.0138
alpha-Phellandrene	ND	ND	0.00215	0.0138
Sabinene Hydrate	ND	ND	0.00462	0.0138
Endo-Fenchyl Alcohol	ND	ND	0.00460	0.0138
Isoborneol	ND	ND	0.00296	0.0138
Menthol	ND	ND	0.00461	0.0138
[+/-]-Borneol	ND	ND	0.00534	0.0276
alpha-Terpineol	ND	ND	0.00522	0.0138
alpha-Cedrene	ND	ND	0.00419	0.0138
Geranyl Acetate	ND	ND	0.00649	0.0138
Cedrol	ND	ND	0.00562	0.0138
[+,N,-]-Camphor	ND	ND	0.0102	0.0414
delta-3-Carene	ND	ND	0.00451	0.0138
alpha-Terpinene	ND	ND	0.00423	0.0138
[+/-]-Fenchone	ND	ND	0.00306	0.0276
gamma-Terpinene	ND	ND	0.00313	0.0138
Terpinolene	ND	ND	0.00172	0.0138
Total Terpenes	**5.35**	**53.5**		

Heavy Metals

PASS

Date Started: 10/01/2026
Instrument: ICP-MS

Date Completed: 10/01/2026
Method: TP-09.007.04

Analyst: Meagan Mattos (B154555)
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	<LOQ	11.7	79.0	200	Pass
Cadmium	ND	70.2	79.0	200	Pass
Lead	<LOQ	6.45	79.0	500	Pass
Mercury	ND	5.62	39.5	100	Pass

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Microbial Impurities

PASS

Date Started: 09/30/2026
Instrument: TEMPO & Gene-Up

Date Completed: 10/03/2026
Method: TP-09.010.03 & TP-09.011.04

Analyst: Sydney Murphy (B168056)
Deviation: N/A

Microbials	Result (CFU/g)	Limit (CFU/g)	Status
Coliforms	ND	100	Pass
Bile-Tolerant Gram-Negative Bacteria	ND	100	Pass
Yeast & Mold	ND	1000	Pass
Aerobic Bacteria	ND	10000	Pass
E.coli	ND		Pass
Salmonella	ND		Pass

Residual Solvents

PASS

Date Started: 10/01/2026
Instrument: HS-GC-MS

Date Completed: 10/02/2026
Method: TP-09.005.05

Analyst: Lana Rivera (B144852)
Deviation: N/A

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
n-Propane	ND	0.431	1.69	12.0	Pass
n-Butane	ND	0.186	1.69	12.0	Pass
Methanol	ND	40.3	102	3000	Pass
Ethylene Oxide	ND	0.679	1.36		Pass
n-Pentane	ND	27.4	102	5000	Pass
Ethanol	ND	18.9	102	5000	Pass
Ethyl Ether	ND	25.7	102	5000	Pass
Acetone	ND	18.5	102	5000	Pass
Isopropyl Alcohol	ND	23.0	102	5000	Pass
Acetonitrile	ND	14.3	102	410	Pass
Methylene Chloride	ND	0.679	1.36	600	Pass
n-Hexane	ND	27.7	102	290	Pass
Ethyl Acetate	ND	16.0	102	5000	Pass
Chloroform	ND	0.679	1.36	60.0	Pass
1,2-Dichloroethane	ND	0.679	1.36	1870	Pass
Benzene	ND	0.679	1.36		Pass
n-Heptane	ND	29.6	102	5000	Pass
Trichloroethylene	ND	0.679	1.36	80.0	Pass
Toluene	ND	11.7	102	890	Pass
Total Xylenes	**ND**	**20.1**	**50.9**	**2170**	**Pass**

Mycotoxins

PASS

Date Started: 10/02/2026
Instrument: LC-MS/MS

Date Completed: 10/05/2026
Method: TP-09.009.06

Analyst: Lana Rivera (B144852)
Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	0.601	1.98		
Aflatoxin B2	ND	0.601	1.98		
Aflatoxin G1	ND	0.601	1.98		
Aflatoxin G2	ND	0.601	1.98		
Ochratoxin A	ND	0.601	1.98		
Total Mycotoxins	**ND**	**0.601**	**1.98**	**20.0**	**Pass**

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Yuemin Wang Kovaleff, Lab Manager
10/05/2026

END OF REPORT

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