Certificate of Analysis

Analytical Test Report

Client: ARL Healthcare 177 John Vertente Blvd New Bedford, MA 02745	**Final Report**	**MCR-S26-09572 Rev.01.00**	**Laboratory:** MCR Labs 85 Speen St. Lower Level Framingham, MA 01701 508-872-6666
	Report Date	20 SEPTEMBER 2026	
	Status:	Untreated	
	METRC Tag:	**1A40A0100001AF6000324417**	
	METRC Source Tag:	**1A40A0100001AF6000324416**	

Sample ID #	Sample Name	Batch	Matrix	Date Received	Date(s) Tested	Sample Weight
S26-09572	In House Disposable Vape Cart Sour Diesel	09152026IHV CBKSD324416	Vape	16 September 2026	17-20 September 2026	1 g

The test results presented in this report are accurate, complete, and compliant with the MCR Labs quality control criteria.

Authorization

Carlos Cruz
Data Quality Manager

ACCREDITED
CERT# 6562.01

Case Narrative

This sample was received by MCR Labs from the customer in a sealed packaging. The collected data was compared to data collected from analytical reference standards at known concentrations. TAC (Total Active Cannabinoids) calculation on the report includes all quantified and estimated values. Recovery of the blank spike was low for mercury, but no signal was detected for the samples. Measurement uncertainty is not taken into account when reporting results and making a statement of conformity. Values reported below quantitation limits are for informational purposes. QA/QC/CV data is available upon request.

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Requested Testing

Test	Code	Procedure	Analytes Tested	Disposition
Cannabinoid Profile	CN	MCR-TM-0011	CBDVA, CBDV, CBDA, CBGA, CBG, CBD, THCV, THCVA, CBCV, CBN, Δ9-THC, Δ8-THC, CBL, THCA, CBC, CBCA, CBLA, CBT	N/A
Microbiological Screen	MB	MCR-TM-0006 MCR-TM-0012	Bacterial (Total Aerobic, Total Coliform, Bile-Tolerant Gram Negative),Yeast and Mold, Pathogenic (E. coli, Salmonella)	Pass
Heavy Metals Screen	HM	MCR-TM-0008	Arsenic (As), Cadmium (Cd), Mercury (Hg), Lead (Pb)	Pass
Mycotoxins Screen	MY	MCR-TM-0009	Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2, Ochratoxin A	Pass
Volatile Organics Screen	VC	MCR-TM-0007	Ethanol	Pass
Terpene Profile	TP	MCR-TM-0016*	α-Pinene, Camphene, β-Myrcene, β-Pinene, Δ-3-Carene, α-Terpinene, Ocimene, D-Limonene, p-Cymene, β-Ocimene, Eucalyptol, γ-Terpinene, Terpinolene, Linalool, Isopulegol, Geraniol, β-Caryophyllene, α-Humulene, cis-Nerolidol, trans-Nerolidol, Guaiol, Caryophyllene Oxide α-Bisabolol, Sabinene, α-Phellandrene, Sabinene Hydrate, Fenchyl Alcohol, Isoborneol, Menthol, Borneol, α-Terpineol, Nerol, trans-β-Farnesene, α-Cedrene, Valencene, Cedrol, Fenchone, Camphor, Pulegone, Geranyl Acetate	N/A
Vitamin E Acetate	VEA	MCR-TM-0014	Vitamin E Acetate	N/A

Cannabinoid Profile [MCR-TM-0011] Analyst: B171811 Test Date: 17 Sep 26

Analyte	Cannabinoid	Conc. (weight %)	Conc. (mg/g)	LOD (weight %)	LOQ (weight %)
CBDVA	Cannabidivarinic Acid	ND	ND	0.03%	0.20%
CBDV	Cannabidivarin	ND	ND	0.03%	0.20%
CBDA	Cannabidiolic Acid	ND	ND	0.04%	0.20%
CBGA	Cannabigerolic Acid	ND	ND	0.04%	0.20%
CBG	Cannabigerol	3.0%	30	0.08%	0.20%
CBD	Cannabidiol	0.2%	2	0.06%	0.20%
THCV	Tetrahydrocannabivarin	0.5%	5	0.03%	0.20%
THCVA	Tetrahydrocannabivarinic Acid	ND	ND	0.06%	0.20%
CBCV	Cannabichromevarin	ND	ND	0.02%	0.20%
CBN	Cannabinol	0.2%	2	0.02%	0.20%
Δ9-THC	Δ9-Tetrahydrocannabinol	83.6%	836	0.04%	0.20%
Δ8-THC	Δ8-Tetrahydrocannabinol	ND	ND	0.04%	0.20%
CBL	Cannabicyclol	ND	ND	0.04%	0.20%
THCA	Tetryhydrocannabinolic Acid	ND	ND	0.03%	0.20%
CBC	Cannabichromene	0.8%	8	0.02%	0.20%
CBCA	Cannabichromenic Acid	ND	ND	0.09%	1.00%
CBLA	Cannabicyclolic Acid	ND	ND	0.02%	0.20%
CBT	Cannabicitran	0.3%	3	0.05%	0.20%

Total Active Cannabinoids (sum of above table)	88.6%	886	N/A	N/A
Total THC = THC + 0.877 * THCA	83.6%	836	N/A	N/A
Total CBD = CBD + (CBDA * 0.877)	0.2%	2	N/A	N/A

Results determined via HPLC.
Note: There are no limits established by the Massachusetts Department of Public Health for cannabinoid concentrations.
ND = Not Detected; LOQ = Limit of Quantitation; LOD = Limit of Detection.

Microbiological Screen [MCR-TM-0006] Analyst: B171811 Test Date: 17-20 Sep 26

Test Analysis	Result	Unit	Limits	Disposition
Total Viable Aerobic Bacteria	<100	CFU/g	10000 CFU/g	Pass
Total Yeast and Mold	<100	CFU/g	1000 CFU/g	Pass
Total Coliforms	<100	CFU/g	100 CFU/g	Pass
Total Bile-Tolerant Gram Negative Bacteria	<100	CFU/g	100 CFU/g	Pass

Results determined via Tempo-MPN.
Note: Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.
CFU = Colony Forming Unit.

Microbiological Screen [MCR-TM-0012] Analyst: B131314 Test Date: 19 Sep 26

Test Analysis	Result	Unit	Limits	Disposition
STEC	Not Detected	N/A	Not detected in 1g	Pass
Salmonella	Not Detected	N/A	Not detected in 1g	Pass

Results determined via PCR.
Note: Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.
NT = Not tested; STEC = Shiga Toxin producing E. coli.

Heavy Metals Screen [MCR-TM-0008] Analyst: B171811 Test Date: 18 Sep 26

Test Analysis	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limits (ppb)	Disposition
Arsenic	ND	58.4	177.1	200	Pass
Cadmium	ND	25.4	100.0	200	Pass
Mercury	ND	28.9	100.0	100	Pass
Lead	ND	29.3	100.0	500	Pass

Results determined via ICP-MS.
Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 4.
ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation;
BQL = Below Quantitation Limit; ppb = parts per billion.

Mycotoxins Screen [MCR-TM-0009] Analyst: B175286 Test Date: 17 Sep 26

Test Analysis	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limits (ppb)	Disposition
Aflatoxin B1	Not Detected	3.3	10	20	Pass
Aflatoxin B2	Not Detected	3.3	10	20	Pass
Aflatoxin G1	Not Detected	3.3	10	20	Pass
Aflatoxin G2	Not Detected	3.3	10	20	Pass
Ochratoxin A	Not Detected	5.0	10	20	Pass

Results determined via LC-MS-MS.
Note: Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 6.
ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation; ppb = Parts Per Billion.

Residual Solvents Screen [MCR-TM-0007] Analyst: B121795 Test Date: 17 Sep 26

Analyte	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limits (ppm)	Disposition
Ethanol	ND	108	1000	5000	Pass

Results determined via GC-FID.
Note: Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 7.
ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation; ppb = Parts Per Billion.

Terpene Profile [MCR-TM-0016]* Analyst: B171811 Test Date: 17 Sep 26

Analyte	Conc. (weight %)*	Analyte	Conc. (weight %)*
α-Pinene	0.13%*	Guaiol	ND*
Camphene	0.01%*	Caryophyllene Oxide	0.02%*
β-Myrcene	0.25%*	α-Bisabolol	0.03%*
β-Pinene	0.08%*	Sabiene	ND*
Δ-3-Carene	ND*	α-Phellandrene	ND*
α-Terpinene	ND*	Sabinene Hydrate	ND*
α-Ocimene	ND*	Fenchyl Alcohol	0.04%*
D-Limonene	0.60%*	Isoborneol	ND*
p-Cymene	ND*	Menthol	ND*
β-Ocimene	0.07%*	Borneol	ND*
Eucalyptol	0.01%*	α-Terpineol	0.02%*
γ-Terpinene	ND*	Nerol	ND*
Terpinolene	0.05%*	trans-β-Farnesene	0.10%*
Linalool	0.11%*	α-Cedrene	ND*
Isopulegol	ND*	Valencene	0.05%*
Geraniol	ND*	Cedrol	0.01%*
β-Caryophyllene	0.92%*	Fenchone	ND*
α-Humulene	ND*	Camphor	ND*
cis-Nerolidol	ND*	Pulegone	ND*
trans-Nerolidol	0.01%*	Geranyl Acetate	0.01%*

Total Terpenes	2.52%*

Note: ND = Not Detected.

Vitamin E Acetate [MCR-TM-0014] Analyst: B171811 Test Date: 17 Sep 26

Test Analysis	Result (weight %)	LOD (weight %)	LOQ (weight %)
Vitamin E Acetate	ND	0.12	0.46

Results determined via HPLC.
Note: There are no limits established by the Massachusetts Department of Public Health for Vitamin E Acetate concentrations.
ND = Not Detected; BQL = Below Quantitation Limit; LOD = Limit of Detection; LOQ = Limit of Quantitation