# Certificate of Analysis

**Analytical Test Report**

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|---|---|---|---|
| **Client:**<br>ARL Healthcare<br>177 John Vertente Blvd<br>New Bedford, MA 02745 | **Final Report** | **MCR-S26-11713 Rev.01.00** | **Laboratory:**<br>MCR Labs<br>85 Speen St. Lower Level<br>Framingham, MA 01701<br>508-872-6666 |
| | **Report Date** | 07 NOVEMBER 2026 | |
| | **Status:** | Untreated | |
| | **METRC Tag:** | 1A40A0100001AF6000324683 | |
| | **METRC Source Tag:** | 1A40A0100001AF6000324682 | |

| Sample ID # | Sample Name | Batch | Matrix | Date Received | Date(s) Tested | Sample Weight |
|---|---|---|---|---|---|---|
| S26-11713 | In House Disposable Vape Cart Sour Diesel | 10272026IHVCBKSD324682 | Vape | 02 November 2026 | 03-06 November 2026 | 4 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. 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.

This report and all information herein shall not be reproduced, except in its entirety, without the expressed consent of MCR Labs. Results apply only to the sample supplied to MCR Labs.

**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<br>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: 03 Nov 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 | 3.2% | 32 | 0.08% | 0.20% |
| CBD | Cannabidiol | 0.4% | 4 | 0.06% | 0.20% |
| THCV | Tetrahydrocannabivarin | 0.7% | 7 | 0.03% | 0.20% |
| THCVA | Tetrahydrocannabivarinic Acid | ND | ND | 0.06% | 0.20% |
| CBCV | Cannabichromevarin | ND | ND | 0.02% | 0.20% |
| CBN | Cannabinol | 0.3% | 3 | 0.02% | 0.20% |
| Δ9-THC | Δ9-Tetrahydrocannabinol | 89.1% | 891 | 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 | 0.6% | 6 | 0.02% | 0.20% |
| CBCA | Cannabichromenic Acid | ND | ND | 0.09% | 1.00% |
| CBLA | Cannabicyclolic Acid | ND | ND | 0.02% | 0.20% |
| CBT | Cannabicitran | ND | ND | 0.05% | 0.20% |

| | | | | |
|---|---|---|---|---|
| Total Active Cannabinoids (sum of above table) | 94.3% | 943 | N/A | N/A |
| Total THC = THC + 0.877 * THCA | 89.1% | 891 | N/A | N/A |
| Total CBD = CBD + (CBDA * 0.877) | 0.4% | 4 | 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: B121795 Test Date: 03-06 Nov 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: B121795 Test Date: 06 Nov 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: B123478 Test Date: 05 Nov 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]*** Analysts: B175286/B129678 Test Date: 05 Nov 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: 04 Nov 26

| Analyte | Result (ppm) | LOD (ppm) | LOQ (ppm) | Limits (ppm) | Disposition |
|---|---|---|---|---|---|
| Ethanol | ND | 142 | 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: 06 Nov 26

| Analyte | Conc. (weight %)* | Analyte | Conc. (weight %)* |
|---|---|---|---|
| α-Pinene | 0.17%* | Guaiol | 0.01%* |
| Camphene | 0.01%* | Caryophyllene Oxide | 0.01%* |
| β-Myrcene | 0.23%* | α-Bisabolol | 0.04%* |
| β-Pinene | 0.07%* | Sabiene | ND* |
| Δ-3-Carene | ND* | α-Phellandrene | ND* |
| α-Terpinene | ND* | Sabinene Hydrate | ND* |
| α-Ocimene | ND* | Fenchyl Alcohol | 0.03%* |
| D-Limonene | 0.34%* | Isoborneol | ND* |
| p-Cymene | ND* | Menthol | ND* |
| β-Ocimene | 0.08%* | Borneol | ND* |
| Eucalyptol | 0.01%* | α-Terpineol | 0.01%* |
| γ-Terpinene | ND* | Nerol | ND* |
| Terpinolene | 0.10%* | trans-β-Farnesene | 0.05%* |
| Linalool | 0.16%* | α-Cedrene | 0.01%* |
| Isopulegol | ND* | Valencene | 0.04%* |
| Geraniol | ND* | Cedrol | 0.01%* |
| β-Caryophyllene | 0.85%* | Fenchone | ND* |
| α-Humulene | ND* | Camphor | ND* |
| cis-Nerolidol | ND* | Pulegone | ND* |
| trans-Nerolidol | ND* | Geranyl Acetate | ND* |

| Total Terpenes | 2.23%* |
|---|---|

Note: ND = Not Detected.

***Vitamin E Acetate [MCR-TM-0014]*** Analyst: B171811 Test Date: 04 Nov 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