

## Universal Hemp Panel

### ANALYZED BY:

Anresco Laboratories  
1375 Van Dyke Avenue,  
San Francisco, CA 94124  
DEA# PA0202945

### CUSTOMER:

Pamos Hemp LLC  
3007 Washington blvd suite 220  
Marina DEL REY, CA 90292

### MANUFACTURER:

Copperhead Brewing Co.  
11695 Crossroads Cir Suite A  
Middle River 21220  
Maryland License#: PT0016302



### SAMPLE INFORMATION

**Sample No.:** 1434835  
**Product Name:** PMS-M-PEAC-08  
**Matrix:** Edible (Beverage)  
**Lot #:** M-08  
**PO #:** Pooles7/27/26

**Date Received:** 08/04/2026  
**Date Reported:** 09/01/2026

### TEST SUMMARY

**Cannabinoid Profile:** ✔ Tested  
**Pesticide Residue Screen:** ✔ Pass  
**Heavy Metal Screen:** ✔ Pass  
**Mycotoxin Screen:** ✔ Pass

**Microbiological Screen:** ✔ Pass  
**Residual Solvent Screen:** ✔ Pass  
**Foreign Material:** ✔ Pass

### Cannabinoid Profile ✔ Tested

08/06/2026

**Method:** MF-CHEM-15  
**Instrument:** Liquid Chromatography Diode Array Detector (LC-DAD)  
**Limit of Detection:** 0.0033 mg/g  
**Limit of Quantitation:** 0.0100 mg/g  
**Measurement of Uncertainty Average:** ±6.3%

| Cannabinoid              | mg/g  | mg/ml | %      | mg/serving | mg/package | Labeled mg/serving | % Difference |
|--------------------------|-------|-------|--------|------------|------------|--------------------|--------------|
| Δ8-THC                   | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| Δ9-THC                   | 0.238 | 0.248 | 0.0238 | 12.41      | 12.41      | 10                 | 24.15        |
| Δ9-THCA                  | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| THCV                     | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| THCVA                    | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| CBD                      | 0.047 | 0.049 | 0.0047 | 2.45       | 2.45       | 2                  | 22.53        |
| CBDA                     | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| CBC                      | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| CBCA                     | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| CBDV                     | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| CBG                      | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| CBGA                     | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| CBN                      | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| Exo-THC                  | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| (6aR,9R)-Δ10-THC         | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| (6aR,9S)-Δ10-THC         | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| 9(R)-Hexahydrocannabinol | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| 9(S)-Hexahydrocannabinol | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| Δ8-THC-O-Acetate         | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| Δ9-THC-O-Acetate         | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| THC-O-Phosphate          | NT    | NT    | NT     | NT         | NT         | -                  | -            |
| Δ8-THCP                  | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| Δ9-THCP                  | ND    | ND    | ND     | ND         | ND         | -                  | -            |
| Total Δ9-THC             | 0.238 | 0.248 | 0.0238 | 12.41      | 12.41      | -                  | -            |
| Total THC                | 0.238 | 0.248 | 0.0238 | 12.41      | 12.41      | -                  | -            |
| Total CBD                | 0.047 | 0.049 | 0.0047 | 2.45       | 2.45       | -                  | -            |
| Total Cannabinoids       | 0.284 | 0.297 | 0.0284 | 14.87      | 14.87      | -                  | -            |
| Sum of Cannabinoids      | 0.284 | 0.297 | 0.0284 | 14.87      | 14.87      | -                  | -            |

| Cannabinoid                   | mg/g    | mg/ml | % | mg/serving | mg/package | Labeled mg/serving | % Difference |
|-------------------------------|---------|-------|---|------------|------------|--------------------|--------------|
| <b>Serving Weight (g)</b>     | 52.2500 |       |   |            |            |                    |              |
| <b>Package Weight (g)</b>     | 52.25   |       |   |            |            |                    |              |
| <b>g/ml Conversion Factor</b> | 1.0450  |       |   |            |            |                    |              |

Total Δ9-THC = Δ9-THC + (0.877 \* THCA)  
 Total THC = Δ8-THC + Δ9-THC + (0.877 \* THCA)  
 Total CBD = CBD + (0.877 \* CBDA)  
 Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 \* Σ (acidic cannabinoids)]

**Comment(s):** This result of this sample is confirmed with a retest.

## Microbiological Screen ✓ Pass

09/01/2026

**Measurement of Uncertainty Average:** APC ±35.6%, Y&M ±31.3%

| Analyte                              | Findings | Units | Method              | Limit  | Status |
|--------------------------------------|----------|-------|---------------------|--------|--------|
| Yersinia                             | ND       | /25g  | foodproof® Yersinia | ND     | Pass   |
| Campylobacter                        | ND       | /25g  | MDS Campylobacter   | ND     | Pass   |
| Salmonella                           | ND       | /10g  | AOAC 2016.01        | ND     | Pass   |
| STEC                                 | ND       | /10g  | MF-MICRO-18         | ND     | Pass   |
| Aspergillus flavus                   | ND       | /10g  | MF-MICRO-14         | ND     | Pass   |
| Aspergillus fumigatus                | ND       | /10g  | MF-MICRO-14         | ND     | Pass   |
| Aspergillus niger                    | ND       | /10g  | MF-MICRO-14         | ND     | Pass   |
| Aspergillus terreus                  | ND       | /10g  | MF-MICRO-14         | ND     | Pass   |
| Listeria Species                     | ND       | /10g  | AOAC 2016.07        | ND     | Pass   |
| Total Aerobic Plate Count            | 4900     | cfu/g | FDA BAM             | 100000 | Pass   |
| Total Coliforms                      | 0/10     | cfu/g | FDA BAM - ECC Agar  | 100    | Pass   |
| E. Coli                              | ND       | /1g   | FDA BAM Modified    | ND     | Pass   |
| Total Enterobacteriaceae             | <1       | cfu/g | CMMEF - VRBG Agar   | ND     | Pass   |
| Staphylococcus aureus                | <1       | cfu/g | AOAC 2003.07        | ND     | Pass   |
| Bile-Tolerant Gram-Negative Bacteria | <1       | cfu/g | CMMEF - VRBG Agar   | ND     | Pass   |
| Total Yeast and Mold                 | 7000     | cfu/g | FDA BAM             | 10000  | Pass   |

## Pesticide Residue Screen ✓ Pass

08/10/2026

**Method:** MF-CHEM-13

**Instrument:** Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

**Measurement of Uncertainty Average:** ±21.40%

| Analyte             | LOD/LOQ (ppm) | Findings (ppm) | Limit (ppm) | Status |
|---------------------|---------------|----------------|-------------|--------|
| Abamectin           | 0.015/0.05    | ND             | 0.05        | Pass   |
| Acephate            | 0.003/0.01    | ND             | 0.01        | Pass   |
| Acequinocyl         | 0.003/0.01    | ND             | 0.01        | Pass   |
| Acetamiprid         | 0.003/0.01    | ND             | 0.01        | Pass   |
| Aldicarb            | 0.003/0.01    | ND             | 0.01        | Pass   |
| Azoxystrobin        | 0.003/0.01    | ND             | 0.01        | Pass   |
| Bifenazate          | 0.003/0.01    | ND             | 0.01        | Pass   |
| Bifenthrin          | 0.003/0.01    | ND             | 0.01        | Pass   |
| Boscalid            | 0.003/0.01    | ND             | 0.01        | Pass   |
| Captan              | 0.250/0.7     | ND             | 0.7         | Pass   |
| Carbaryl            | 0.003/0.01    | ND             | 0.01        | Pass   |
| Carbofuran          | 0.003/0.01    | ND             | 0.01        | Pass   |
| Chlorantraniliprole | 0.003/0.01    | ND             | 0.01        | Pass   |
| Chlordane           | 0.020/0.06    | ND             | 0.06        | Pass   |
| Chlorfenapyr        | 0.015/0.05    | ND             | 0.05        | Pass   |
| Chlorpyrifos        | 0.003/0.01    | ND             | 0.01        | Pass   |
| Clofentezine        | 0.003/0.01    | ND             | 0.01        | Pass   |
| Coumaphos           | 0.003/0.01    | ND             | 0.01        | Pass   |
| Cyfluthrin          | 0.015/0.05    | ND             | 0.05        | Pass   |
| Cypermethrin        | 0.015/0.05    | ND             | 0.05        | Pass   |
| Daminozide          | 0.003/0.01    | ND             | 0.01        | Pass   |
| DDVP (Dichlorvos)   | 0.003/0.01    | ND             | 0.01        | Pass   |
| Diazinon            | 0.003/0.01    | ND             | 0.01        | Pass   |
| Dimethoate          | 0.003/0.01    | ND             | 0.01        | Pass   |
| Dimethomorph        | 0.003/0.01    | ND             | 0.01        | Pass   |
| Ethoprop(hos)       | 0.003/0.01    | ND             | 0.01        | Pass   |
| Etofenprox          | 0.003/0.01    | ND             | 0.01        | Pass   |
| Etoxazole           | 0.003/0.01    | ND             | 0.01        | Pass   |
| Fenhexamid          | 0.007/0.02    | ND             | 0.02        | Pass   |

| Analyte                 | LOD/LOQ (ppm) | Findings (ppm) | Limit (ppm) | Status |
|-------------------------|---------------|----------------|-------------|--------|
| Fenoxycarb              | 0.003/0.01    | ND             | 0.01        | Pass   |
| Fenpyroximate           | 0.007/0.02    | ND             | 0.02        | Pass   |
| Fipronil                | 0.003/0.01    | ND             | 0.01        | Pass   |
| Flonicamid              | 0.003/0.01    | ND             | 0.01        | Pass   |
| Fludioxonil             | 0.003/0.01    | ND             | 0.01        | Pass   |
| Hexythiazox             | 0.003/0.01    | ND             | 0.01        | Pass   |
| Imazalil                | 0.003/0.01    | ND             | 0.01        | Pass   |
| Imidacloprid            | 0.003/0.01    | ND             | 0.01        | Pass   |
| Kresoxim Methyl         | 0.003/0.01    | ND             | 0.01        | Pass   |
| Malathion               | 0.003/0.01    | ND             | 0.01        | Pass   |
| Metalaxyl               | 0.003/0.01    | ND             | 0.01        | Pass   |
| Methiocarb              | 0.003/0.01    | ND             | 0.01        | Pass   |
| Methomyl                | 0.003/0.01    | ND             | 0.01        | Pass   |
| Methyl parathion        | 0.003/0.01    | ND             | 0.01        | Pass   |
| Mevinphos               | 0.007/0.02    | ND             | 0.02        | Pass   |
| Myclobutanil            | 0.003/0.01    | ND             | 0.01        | Pass   |
| Naled                   | 0.003/0.01    | ND             | 0.01        | Pass   |
| Oxamyl                  | 0.003/0.01    | ND             | 0.01        | Pass   |
| Paclobutrazol           | 0.003/0.01    | ND             | 0.01        | Pass   |
| Pentachloronitrobenzene | 0.003/0.01    | ND             | 0.01        | Pass   |
| Permethrins             | 0.015/0.05    | ND             | 0.05        | Pass   |
| Phosmet                 | 0.003/0.01    | ND             | 0.01        | Pass   |
| Piperonyl Butoxide      | 0.003/0.01    | ND             | 0.01        | Pass   |
| Prallethrin             | 0.015/0.05    | ND             | 0.05        | Pass   |
| Propiconazole           | 0.003/0.01    | ND             | 0.01        | Pass   |
| Propoxur                | 0.003/0.01    | ND             | 0.01        | Pass   |
| Pyrethrins              | 0.015/0.05    | ND             | 0.05        | Pass   |
| Pyridaben               | 0.003/0.01    | ND             | 0.01        | Pass   |
| Spinetoram              | 0.003/0.01    | ND             | 0.01        | Pass   |
| Spinosad                | 0.003/0.01    | ND             | 0.01        | Pass   |
| Spiromesifen            | 0.003/0.01    | ND             | 0.01        | Pass   |
| Spirotetramat           | 0.003/0.01    | ND             | 0.01        | Pass   |
| Spiroxamine             | 0.003/0.01    | ND             | 0.01        | Pass   |
| Tebuconazole            | 0.003/0.01    | ND             | 0.01        | Pass   |
| Thiacloprid             | 0.003/0.01    | ND             | 0.01        | Pass   |
| Thiamethoxam            | 0.003/0.01    | ND             | 0.01        | Pass   |
| Trifloxystrobin         | 0.003/0.01    | ND             | 0.01        | Pass   |
| Azadirachtin            | 0.100/0.30    | ND             | 0.3         | Pass   |
| Chloromequat Chloride   | 0.03/0.10     | ND             | 0.1         | Pass   |
| MGK 264                 | 0.03/0.10     | ND             | 0.1         | Pass   |

## Residual Solvent Screen ✓ Pass

08/13/2026

**Method:** MF-CHEM-32

**Measurement of Uncertainty Average:** ±1.43%

| Analyte            | LOD/LOQ (µg/g) | Findings (µg/g) | Limit (µg/g) | Status             |
|--------------------|----------------|-----------------|--------------|--------------------|
| Propane            | 67/200         | ND              | 210          | Pass               |
| (+/-)-2-Butanol    | 13.3/40        | ND              | 5000         | Pass               |
| 1,1-Dichloroethene | 2/4            | ND              | 8            | Pass               |
| 1,2-Dichloroethane | 0.2/0.5        | ND              | 5            | Pass               |
| 1,4-Dioxane        | 13.3/40        | ND              | 30           | Pass               |
| 2-Ethoxyethanol    | 13.3/40        | ND              | 160          | Pass               |
| Acetone            | 67/200         | <LOD (54.00)    | 500          | Pass               |
| Acetonitrile       | 67/200         | ND              | 410          | Pass               |
| Benzene            | 0.2/0.5        | ND              | 1            | Pass               |
| Chloroform         | 0.2/0.5        | ND              | 2            | Pass               |
| Cumene             | 13.3/40        | ND              | 70           | Pass               |
| Cyclohexane        | 13.3/40        | ND              | 3880         | Pass               |
| Ethanol            | 67/200         | 2810.00         | 5000         | Pass               |
| Ethyl acetate      | 67/200         | ND              | 1000         | Pass               |
| Ethyl ether        | 67/200         | ND              | 5000         | Pass               |
| Ethylene Glycol    | 13.3/40        | ND              | 620          | Pass               |
| Ethylene oxide     | 0.2/0.5        | ND              | 5            | Pass               |
| n-Heptane          | 67/200         | ND              | 500          | Pass               |
| Isopropyl Acetate  | 13.3/40        | ND              | 5000         | Pass               |
| Isopropyl alcohol  | 67/200         | ND              | 500          | Pass               |
| Methanol           | 67/200         | ND              | 500          | Pass               |
| Methylene chloride | 0.2/0.5        | ND              | 600          | Pass               |
| Toluene            | 67/200         | ND              | 53           | Pass               |
| Tetrahydrofuran    | 13.3/40        | ND              | 720          | Pass               |
| Trichloroethene    | 13.3/40        | ND              | 80           | Pass               |
| Isobutane          | 6.7/20         | ND              | -            | See Total Butanes  |
| n-Butane           | 67/200         | ND              | -            | See Total Butanes  |
| Total Butanes      | 6.7/40         | ND              | 500          | Pass               |
| 2,2-Dimethylbutane | 2.7/8          | ND              | -            | See Total Hexanes  |
| 2,3-Dimethylbutane | 2.7/8          | ND              | -            | See Total Hexanes  |
| 2-Methylpentane    | 2.7/8          | ND              | -            | Pass               |
| 3-Methylpentane    | 2.7/8          | ND              | -            | Pass               |
| n-Hexane           | 67/200         | ND              | -            | See Total Hexanes  |
| Total Hexanes      | 2.7/8          | ND              | 18           | Pass               |
| 2 Methylbutane     | 4.4/13.34      | ND              | -            | See Total Pentanes |
| Neopentane         | 4.4/13.34      | ND              | -            | See Total Pentanes |
| n-Pentane          | 67/200         | ND              | -            | See Total Pentanes |
| Total Pentanes     | 4.4/13.34      | ND              | 500          | Pass               |
| Ethylbenzene       | 3.3/10         | ND              | -            | See Total Xylenes  |
| m+p-Xylene         | 6.7/20         | ND              | -            | See Total Xylenes  |
| o-Xylene           | 3.3/10         | ND              | -            | See Total Xylenes  |
| Total Xylenes      | 67/200         | ND              | 217          | Pass               |

## Heavy Metal Screen ✓ Pass

08/10/2026

**Method:** MF-CHEM-16

**Instrument:** Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

**Measurement of Uncertainty Average:** ±4.4%

| Analyte | LOD / LOQ (µg/g) | Findings (µg/g) | Limit | Status |
|---------|------------------|-----------------|-------|--------|
| Arsenic | 0.033/0.101      | ND              | 0.2   | Pass   |
| Cadmium | 0.047/0.141      | ND              | 0.2   | Pass   |
| Mercury | 0.014/0.05       | ND              | 0.1   | Pass   |
| Lead    | 0.107/0.324      | ND              | 0.5   | Pass   |

## Foreign Material ✓ Pass

08/10/2026

**Method:** MF-CHEM-7

| Analyte                        | Findings | Limit    | Status |
|--------------------------------|----------|----------|--------|
| Sand, Soils, Cinders, and Dirt | ND       | 25%      | Pass   |
| Mold                           | ND       | 25%      | Pass   |
| Imbedded Foreign Material      | ND       | 25%      | Pass   |
| Insect Fragment                | ND       | 1 per 3g | Pass   |
| Hair                           | ND       | 1 per 3g | Pass   |
| Mammalian Excreta              | ND       | 1 per 3g | Pass   |

## Mycotoxin Screen ✔ Pass

08/10/2026

**Method:** MF-CHEM-13

**Instrument:** Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

**Measurement of Uncertainty (MU):** ±20.21%

| Analyte          | LOD/LOQ (ppb) | Findings (ppb) | Limit (ppb) | Status |
|------------------|---------------|----------------|-------------|--------|
| Aflatoxin B1     | 2/5           | ND             | 20          | Pass   |
| Aflatoxin B2     | 2/5           | ND             | 20          | Pass   |
| Aflatoxin G1     | 2/5           | ND             | 20          | Pass   |
| Aflatoxin G2     | 2/5           | ND             | 20          | Pass   |
| Total Aflatoxins | 8/20          | ND             | 20          | Pass   |
| Ochratoxin A     | 2/5           | ND             | 20          | Pass   |

**F.S. § 581.217 & FDACS Rule § 5K-4.034 Manufacturer Attestation:** Per manufacturer attestation, this batch was processed in a facility holding a valid health or food safety permit and meets all relevant sanitation requirements. Pursuant to Rule § 5K-4.034, the manufacturer maintains these permits and facility inspection records to provide upon request. Verifying this documentation falls outside the scope of the lab's analytical testing.

**Report Comment(s):** Micro tests were performed on subsequently submitted samples (1437437).

ND = None Detected  
LOD = Limit of Detection  
LOQ = Limit of Quantitation

Reported by



Vu Lam  
Lab Co Director



Scan to verify

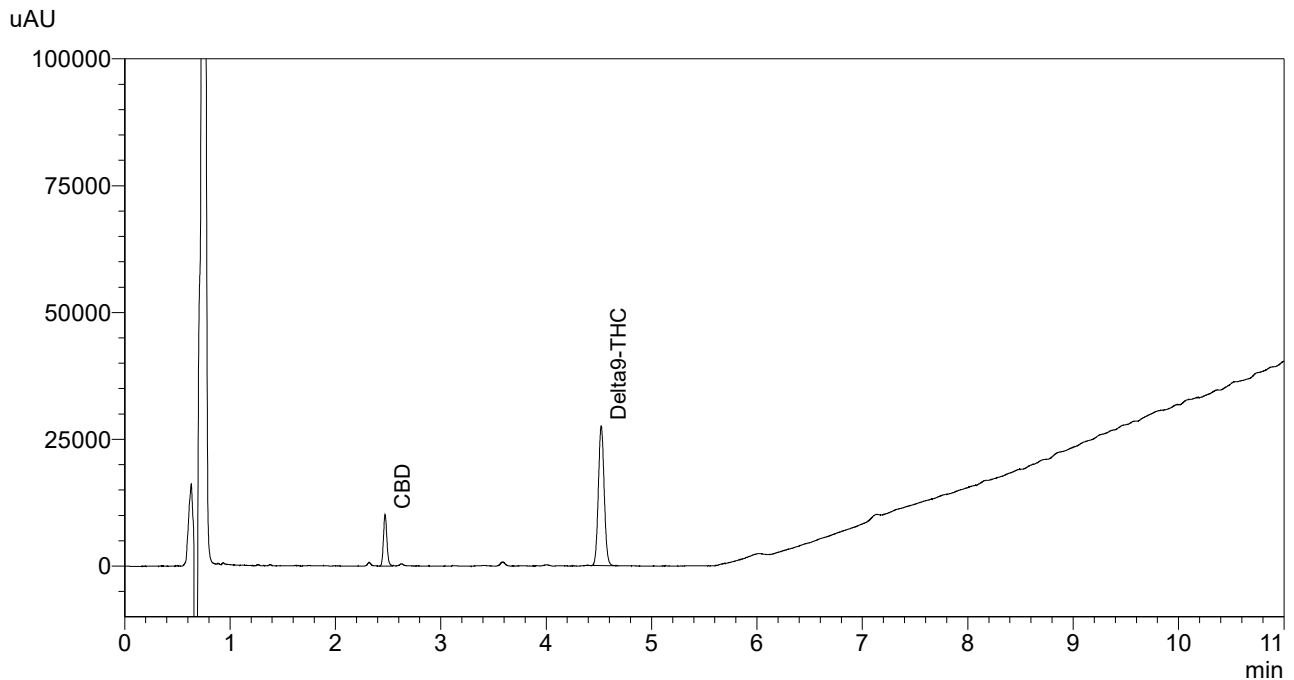
# Cannabis Potency Report

## <Sample Information>

Sample Name : 1432123A 10x  
Sample ID : run007  
Data Filename : 1434835A 10x\_run007\_003.lcd  
Method Filename : CanEX1\_260505\_CP5-26,-27.lcm  
Batch Filename : 08-05-2026 processed.lcb  
Vial # : 1-3  
Injection Volume : 5 uL  
Date Acquired : 8/5/2026 12:20:02 PM  
Date Processed : 8/5/2026 12:44:18 PM  
Sample Amount : 1.0178 grams  
Dilution Factor : 10

Sample Type : Unknown  
Acquired by : System Administrator  
Processed by : System Administrator

## <Cannabinoid Chromatogram>



## <Peak Table>

| PDA Ch1 228nm |           |            |        |        |        |      |
|---------------|-----------|------------|--------|--------|--------|------|
| Peak#         | Ret. Time | Name       | Area   | Height | Conc.  | Unit |
| 1             | 2.471     | CBD        | 23140  | 9894   | 0.0470 | mg/g |
| 2             | 4.522     | Delta9-THC | 106289 | 27305  | 0.2379 | mg/g |

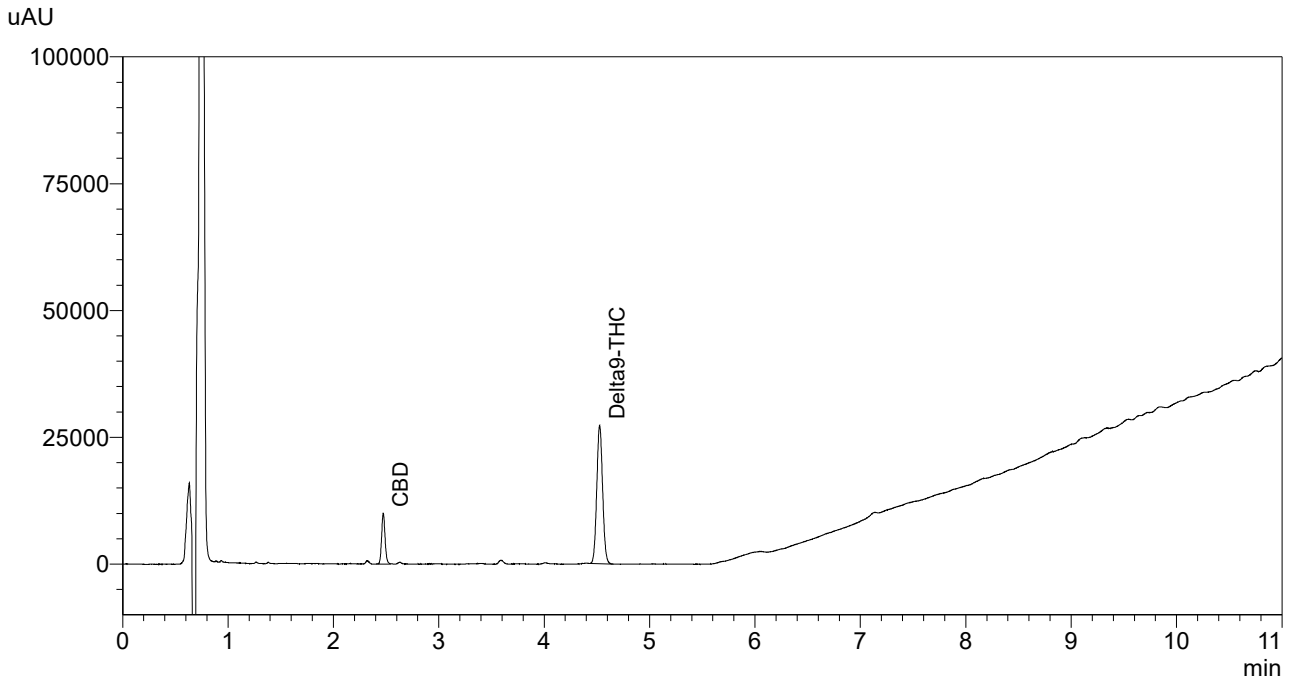
# Cannabis Potency Report

## <Sample Information>

Sample Name : 1432123B 10x  
Sample ID : run008  
Data Filename : 1434835B 10x\_run008\_004.lcd  
Method Filename : CanEX1\_260505\_CP5-26,-27.lcm  
Batch Filename : 08-05-2026 processed.lcb  
Vial # : 1-4  
Injection Volume : 5 uL  
Date Acquired : 8/5/2026 12:33:21 PM  
Date Processed : 8/5/2026 12:44:51 PM  
Sample Amount : 1.0055 grams  
Dilution Factor : 10

Sample Type : Unknown  
Acquired by : System Administrator  
Processed by : System Administrator

## <Cannabinoid Chromatogram>



## <Peak Table>

PDA Ch1 228nm

| Peak# | Ret. Time | Name       | Area   | Height | Conc.  | Unit |
|-------|-----------|------------|--------|--------|--------|------|
| 1     | 2.473     | CBD        | 22852  | 9534   | 0.0469 | mg/g |
| 2     | 4.526     | Delta9-THC | 104743 | 27127  | 0.2373 | mg/g |