SC Labs®

# Hemp Regulatory Compliance Testing
# CERTIFICATE OF ANALYSIS

DATE ISSUED 09/21/2026

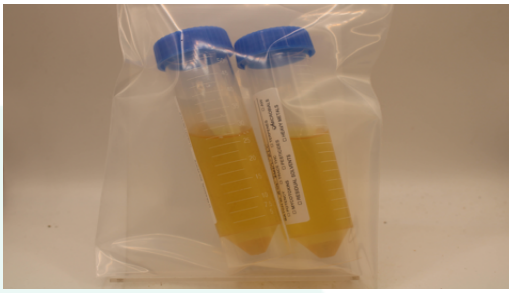
## SAMPLE DETAILS

### SAMPLE NAME: LB-O-60817
Infused, Hemp

### CLIENT
**Business Name:** Aspen Green
**License Number:**
**Address:** 3700 Quebec St STE 100-110
Denver CO 80207

### SAMPLE DETAIL
**Batch Number:** AG-2609-RLC
**Sample ID:** 260916N001

**Date Collected:** 09/16/2026
**Date Received:** 09/16/2026
**Batch Size:**
**Sample Size:**
**Unit Mass:** 30 milliliters per Unit
**Serving Size:** 1 milliliter per Serving



Scan QR code to verify authenticity of results.

## CANNABINOID ANALYSIS - SUMMARY

**Total THC:** 69.960 mg/unit

**Total CBD:** 4528.680 mg/unit

**Sum of Cannabinoids:** 4817.520 mg/unit

**Total Cannabinoids:** 4817.520 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:
Total THC = $\Delta^9$-THC + (THCa (0.877))
Total CBD = CBD + (CBDa (0.877))
Sum of Cannabinoids = $\Delta^9$-THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + $\Delta^8$-THC + CBN + CBNa
Total Cannabinoids = ($\Delta^9$-THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + $\Delta^8$-THC + (CBN+0.877*CBNa)

**Density:** 0.945 g/mL

## TERPENOID ANALYSIS - SUMMARY

20 TESTED, TOP 3 HIGHLIGHTED

**Total Terpenoids:** 0.23240%

α-Bisabolol 1.9682 mg/g | β-Caryophyllene 0.3558 mg/g | α-Humulene <LOQ

## SAFETY ANALYSIS - SUMMARY

**Pesticides:** ND
**Mycotoxins:** PASS
**Residual Solvents:** ND
**Heavy Metals:** PASS
**Microbiology (PCR):** ND
**Microbiology (Plating):** ND

These results relate only to the sample included on this report.
This report shall not be reproduced, except in full, without written approval of the laboratory.

**Sample Certification:** Colorado Marijuana Rules 1 CCR 212-3

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), µg/g = ppm, µg/kg = ppb, too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

Approved by: Sam Schumann
Laboratory Director
Date: 09/21/2026


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## Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

**Method:** (GLB-TM-14) Cannabinoid Potency Determination

### TOTAL THC: 69.960 mg/unit

Total THC ($\Delta^9$-THC+0.877*THCa)

### TOTAL CBD: 4528.680 mg/unit

Total CBD (CBD+0.877*CBDa)

### TOTAL CANNABINOIDS: 4817.520 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta^8$-THC + (Total CBN)

### TOTAL CBG: 62.730 mg/unit

Total CBG (CBG+0.877*CBGa)

### TOTAL THCV: <LOQ

Total THCV (THCV+0.877*THCVa)

### TOTAL CBC: 107.160 mg/unit

Total CBC (CBC+0.877*CBCa)

### TOTAL CBDV: 48.990 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

*Exclusions[1] see last page*

### CANNABINOID TEST RESULTS - 09/18/2026

| COMPOUND | LOD/LOQ (mg/mL) | MEASUREMENT UNCERTAINTY (mg/mL) | RESULT (mg/mL) | RESULT (%) |
|---|---|---|---|---|
| CBD | *0.077 / 1.621* | *±10.1141* | 150.956 | 15.9742 |
| CBC | *0.008 / 0.632* | *±0.2536* | 3.572 | 0.3780 |
| $\Delta^9$-THC | *0.018 / 1.621* | *±0.1656* | 2.332 | 0.2468 |
| CBG | *0.044 / 0.357* | *±0.0723* | 2.091 | 0.2213 |
| CBDV | *0.058 / 0.381* | *±0.1306* | 1.633 | 0.1728 |
| THCV | *0.031 / 0.324* | *N/A* | <LOQ | <LOQ |
| $\Delta^8$-THC | *0.026 / 1.783* | *N/A* | ND | ND |
| THCa | *0.068 / 1.435* | *N/A* | ND | ND |
| THCVa | *0.024 / 1.264* | *N/A* | ND | ND |
| CBDa | *0.091 / 1.662* | *N/A* | ND | ND |
| CBDVa | *0.026 / 0.697* | *N/A* | ND | ND |
| CBGa | *0.030 / 1.499* | *N/A* | ND | ND |
| CBN | *0.027 / 0.470* | *N/A* | ND | ND |
| CBCa | *0.029 / 0.575* | *N/A* | ND | ND |
| CBNa | *0.024 / 1.021* | *N/A* | ND | ND |
| **SUM OF CANNABINOIDS** | | | 160.584 mg/mL | 16.9930% |

### Unit Mass: 30 milliliters per Unit / Serving Size: 1 milliliter per Serving

| | |
|---|---|
| $\Delta^9$-THC per Unit | 69.960 mg/unit |
| $\Delta^9$-THC per Serving | 2.332 mg/serving |
| Total THC per Unit | 69.960 mg/unit |
| Total THC per Serving | 2.332 mg/serving |
| CBD per Unit | 4528.680 mg/unit |
| CBD per Serving | 150.956 mg/serving |
| Total CBD per Unit | 4528.680 mg/unit |
| Total CBD per Serving | 150.956 mg/serving |
| Sum of Cannabinoids per Unit | 4817.520 mg/unit |
| Sum of Cannabinoids per Serving | 160.584 mg/serving |
| Total Cannabinoids per Unit | 4817.520 mg/unit |
| Total Cannabinoids per Serving | 160.584 mg/serving |

### DENSITY TEST RESULT

**0.945 g/mL**

Tested 09/18/2026


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## Terpenoid Analysis

Terpene analysis utilizing gas chromatography-mass spectrometry (GC-MS).

**Method:** (GLB-TM-22) Terpene Determination - Hydrogen Carrier

1. **α-Bisabolol**
A sesquiterpene alcohol with a fragrance that can be described as floral, peppery, sweet and clean. Found in chamomile, figwort, yarrow, skullcaps, lavender, ironwort, germander...etc.

2. **β-Caryophyllene**
A sesquiterpene with a fragrance that can be described as spicy, woody, dry, dusty and mildly sweet. It was one of the first organic compounds to fully synthesized in a laboratory and plays a role in the endocannabinoid system as it is a functional $CB_2$ receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

3. **α-Humulene**
Also known as α-caryophyllene, it is an isomer of the sesquiterpene β-Caryophyllene which frequently occurs in nature with many aromatic plants across the globe. It has a fragrance that can be described as earthy or musky with spicy undertones. Found in hops, forskohlii, skullcaps, basil, nutmeg, cloves, sage, cotton, tamarind, black pepper, guava, Scotch pine...etc.

*Exclusions[2] see last page*

**TERPENOID TEST RESULTS** - 09/17/2026

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---|---|---|---|---|
| α-Bisabolol | *0.4021 / 1.3403* | *±0.10648* | **1.9682** | **0.19682** |
| β-Caryophyllene | *0.0368 / 0.1228* | *±0.01295* | **0.3558** | **0.03558** |
| α-Humulene | *0.1133 / 0.3778* | *N/A* | **<LOQ** | **<LOQ** |
| Caryophyllene Oxide | *0.6991 / 2.3304* | *N/A* | **<LOQ** | **<LOQ** |
| Nerolidol | *0.0639 / 0.2131* | *N/A* | **<LOQ** | **<LOQ** |
| α-Pinene | *0.3056 / 1.0185* | *N/A* | **ND** | **ND** |
| α-Terpinene | *0.0369 / 0.1228* | *N/A* | **ND** | **ND** |
| β-Ocimene | *0.1860 / 0.6199* | *N/A* | **ND** | **ND** |
| β-Pinene | *0.3002 / 1.0007* | *N/A* | **ND** | **ND** |
| Camphene | *0.2897 / 0.9658* | *N/A* | **ND** | **ND** |
| $\Delta^3$-Carene | *0.0709 / 0.2365* | *N/A* | **ND** | **ND** |
| Eucalyptol | *0.0535 / 0.1783* | *N/A* | **ND** | **ND** |
| γ-Terpinene | *0.0547 / 0.1825* | *N/A* | **ND** | **ND** |
| Geraniol | *0.4202 / 1.4005* | *N/A* | **ND** | **ND** |
| Isopulegol | *0.2257 / 0.7525* | *N/A* | **ND** | **ND** |
| Limonene | *0.0822 / 0.2741* | *N/A* | **ND** | **ND** |
| Linalool | *0.1516 / 0.5054* | *N/A* | **ND** | **ND** |
| Myrcene | *0.1623 / 0.5411* | *N/A* | **ND** | **ND** |
| p-Cymene | *0.0544 / 0.1814* | *N/A* | **ND** | **ND** |
| Terpinolene | *0.0654 / 0.2181* | *N/A* | **ND** | **ND** |
| **TOTAL TERPENOIDS** | | | **2.3240 mg/g** | **0.23240%** |

## Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

**Method:** (GLB-TM-17) Pesticide Analysis by LC-MS & GC-MS

*Exclusions[3] see last page*

**PESTICIDE TEST RESULTS** - 09/17/2026 **ND**

| COMPOUND | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|---|---|---|---|
| Abamectin | *0.224 / 0.746* | *N/A* | **ND** |
| Acephate | *0.005 / 0.016* | *N/A* | **ND** |
| Acetamiprid | *0.008 / 0.025* | *N/A* | **ND** |
| Azoxystrobin | *0.004 / 0.015* | *N/A* | **ND** |
| Bifenazate | *0.002 / 0.008* | *N/A* | **ND** |
| Boscalid | *0.015 / 0.050* | *N/A* | **ND** |
| Carbaryl | *0.022 / 0.074* | *N/A* | **ND** |
| Carbofuran | *0.002 / 0.007* | *N/A* | **ND** |
| Chlorantraniliprole | *0.017 / 0.057* | *N/A* | **ND** |
| Chlorpyrifos | *0.006 / 0.020* | *N/A* | **ND** |
| Clofentezine | *0.003 / 0.009* | *N/A* | **ND** |
| Diazinon | *0.003 / 0.01* | *N/A* | **ND** |

Continued on next page


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## Pesticide Analysis *Continued*

**PESTICIDE TEST RESULTS** - 09/17/2026 *continued* **ND**

| COMPOUND | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|---|---|---|---|
| Dichlorvos (DDVP) | *0.218 / 0.728* | *N/A* | ND |
| Dimethoate | *0.002 / 0.007* | *N/A* | ND |
| Ethoprophos | *0.014 / 0.047* | *N/A* | ND |
| Etofenprox | *0.007 / 0.024* | *N/A* | ND |
| Etoxazole | *0.009 / 0.030* | *N/A* | ND |
| Fenoxycarb | *0.005 / 0.018* | *N/A* | ND |
| Fenpyroximate | *0.007 / 0.022* | *N/A* | ND |
| Fipronil | *0.028 / 0.094* | *N/A* | ND |
| Flonicamid | *0.004 / 0.015* | *N/A* | ND |
| Fludioxonil | *0.006 / 0.021* | *N/A* | ND |
| Hexythiazox | *0.015 / 0.048* | *N/A* | ND |
| Imazalil | *0.010 / 0.034* | *N/A* | ND |
| Imidacloprid | *0.009 / 0.031* | *N/A* | ND |
| Kresoxim-methyl | *0.016 / 0.054* | *N/A* | ND |
| Malathion | *0.011 / 0.037* | *N/A* | ND |
| Metalaxyl | *0.003 / 0.009* | *N/A* | ND |
| Methiocarb | *0.006 / 0.019* | *N/A* | ND |
| Methomyl | *0.002 / 0.006* | *N/A* | ND |
| MGK-264 | *0.017 / 0.055* | *N/A* | ND |
| Myclobutanil | *0.015 / 0.051* | *N/A* | ND |
| Naled | *0.008 / 0.027* | *N/A* | ND |
| Oxamyl | *0.002 / 0.008* | *N/A* | ND |
| Paclobutrazol | *0.004 / 0.012* | *N/A* | ND |
| Permethrin | *0.021 / 0.069* | *N/A* | ND |
| Phosmet | *0.005 / 0.018* | *N/A* | ND |
| Propoxur | *0.003 / 0.011* | *N/A* | ND |
| Pyridaben | *0.011 / 0.035* | *N/A* | ND |
| Spinosad | *0.013 / 0.043* | *N/A* | ND |
| Spiromesifen | *0.023 / 0.076* | *N/A* | ND |
| Spirotetramat | *0.003 / 0.011* | *N/A* | ND |
| Spiroxamine | *0.014 / 0.046* | *N/A* | ND |
| Tebuconazole | *0.013 / 0.042* | *N/A* | ND |
| Thiacloprid | *0.004 / 0.012* | *N/A* | ND |
| Thiamethoxam | *0.004 / 0.012* | *N/A* | ND |
| Trifloxystrobin | *0.003 / 0.011* | *N/A* | ND |


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## Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

**Method:** (GLB-TM-18) Mycotoxins Contamination Determination in Concentrates

MYCOTOXIN TEST RESULTS - 09/18/2026 PASS

| COMPOUND | LOD/LOQ (µg/kg) | ACTION LIMIT (µg/kg) | MEASUREMENT UNCERTAINTY (µg/kg) | RESULT (µg/kg) | RESULT |
|---|---|---|---|---|---|
| Aflatoxin B1 | *0.805 / 2.684* | *5* | *N/A* | ND | PASS |
| Aflatoxin B2 | *0.634 / 2.114* | | *N/A* | ND | |
| Aflatoxin G1 | *0.350 / 1.167* | | *N/A* | ND | |
| Aflatoxin G2 | *0.354 / 1.181* | | *N/A* | ND | |
| Ochratoxin A | *0.724 / 2.412* | *5* | *N/A* | ND | PASS |
| Total Aflatoxin | | *20* | | ND | PASS |

## Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

**Method:** (GLB-TM-41) Residual Solvents

**Total Butanes** = n-Butane + 2-Methylpropane (Isobutane)
**Total Xylenes** = 1,2-Dimethylbenzene (o-Xylene) + 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene)

*Exclusions[4] see last page*

RESIDUAL SOLVENTS TEST RESULTS - 09/21/2026 ND

| COMPOUND | LOD/LOQ (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) |
|---|---|---|---|
| Propane | *11.229 / 37.429* | *N/A* | ND |
| 2-Methylpropane (Isobutane) | *11.966 / 39.887* | *N/A* | ND |
| n-Butane | *11.680 / 38.932* | *N/A* | ND |
| Total Butanes | | | ND |
| n-Pentane | *9.093 / 30.310* | *N/A* | ND |
| n-Hexane | *0.458 / 1.526* | *N/A* | ND |
| n-Heptane | *5.818 / 19.394* | *N/A* | ND |
| Benzene | *0.014 / 0.047* | *N/A* | ND |
| Toluene | *1.051 / 3.503* | *N/A* | ND |
| 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene) | *3.191 / 10.637* | *N/A* | ND |
| 1,2-Dimethylbenzene (o-Xylene) | *3.296 / 10.987* | *N/A* | ND |
| Total Xylenes | | | ND |
| Methanol | *11.936 / 39.787* | *N/A* | ND |
| Ethanol | *6.084 / 20.280* | *N/A* | ND |
| 2-Propanol (Isopropyl Alcohol) | *12.039 / 40.129* | *N/A* | ND |
| Acetone | *8.119 / 27.063* | *N/A* | ND |
| Ethyl Acetate | *7.018 / 23.394* | *N/A* | ND |

## Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

**Method:** (GLB-TM-19) Metals Determination

HEAVY METALS TEST RESULTS - 09/21/2026 PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Arsenic | *0.0089 / 0.0393* | *1.5* | *N/A* | ND | PASS |
| Cadmium | *0.0131 / 0.0438* | *0.5* | *N/A* | ND | PASS |
| Lead | *0.0121 / 0.0404* | *0.5* | *N/A* | ND | PASS |
| Mercury | *0.0108 / 0.0393* | *1.5* | *N/A* | ND | PASS |


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## Microbiology Analysis

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

**Method:** (GLB-TM-25) Bioburden Testing for STEC & Salmonella or (GLB-TM-37) Microbiological Detection of Pathogenic Aspergillus

**MICROBIOLOGY TEST RESULTS (PCR) -** 09/21/2026 **ND**

| COMPOUND | RESULT |
|---|---|
| *Salmonella* spp. | ND |
| Shiga toxin-producing *Escherichia coli* | ND |

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbiological contaminants.

**Method:** (GLB-TM-24) Bioburden Testing for Total Yeast and Mold

**MICROBIOLOGY TEST RESULTS (PLATING) -** 09/21/2026 **ND**

| COMPOUND | RESULT (cfu/g) |
|---|---|
| Coliforms | ND |
| Total Aerobic Bacteria | ND |
| Total Yeast and Mold | ND |

**NOTES**

Sample serving mass provided by client. Sample unit mass provided by client.

1. Exclusions: Not accredited by the CDPHE and not for official purposes
2. Exclusions: Not accredited by the CDPHE and not for official purposes
3. Exclusions: Not accredited by the CDPHE and not for official purposes
4. Exclusions: Not accredited by the CDPHE and not for official purposes


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