**Quantix** Analytics

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5540 Centerview Dr Ste 204 #982095, Raleigh, NC 27606

# Certificate of Analysis

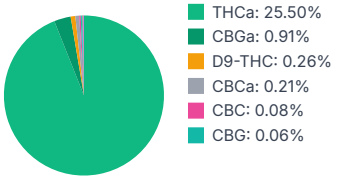
## ADL

**Sample ID:** QA202607133145
**Matrix:** Dried Flower
**Sample Size:** 3.5g

**Collected:** 2026-07-13
**Received:** 2026-07-13
**Completed:** 2026-07-20
**Batch #:** TFD-0713-05

**Client:**
**Diamond Distro**
608 Roundtree Rd., Charlotte, NC, 28277
**Lic #:** USDA_37_0388

**Cannabinoid Distribution**




## Cannabinoids

Complete

| Analyte | LOD mg/g | LOQ mg/g | Result % | Result mg/g |
|---|---|---|---|---|
| **D9-THC** | 0.01 | 0.02 | **0.26** | 2.56 |
| **D8-THC** | 0.01 | 0.02 | **ND** | ND |
| **THCa** | 0.01 | 0.02 | **25.50** | 255.02 |
| **THCP** | 0.01 | 0.02 | **ND** | ND |
| **THCV** | 0.01 | 0.02 | **0.04** | 0.36 |
| **CBD** | 0.01 | 0.02 | **ND** | ND |
| **CBDa** | 0.01 | 0.02 | **0.04** | 0.43 |
| **CBG** | 0.01 | 0.02 | **0.06** | 0.55 |
| **CBGa** | 0.01 | 0.02 | **0.91** | 9.13 |
| **CBN** | 0.01 | 0.02 | **0.04** | 0.40 |
| **CBC** | 0.01 | 0.02 | **0.08** | 0.83 |
| **CBCa** | 0.01 | 0.02 | **0.21** | 2.12 |
| **Total THC** | | | **25.76** | 257.60 |
| **Total CBD** | | | **0.04** | 0.40 |
| **Total Cannabinoids** | | | **27.14** | 271.40 |

**25.50%**
**THCa**

**0.91%**
**CBGa**

**0.26%**
**D9-THC**

**0.21%**
**CBCa**

## Summary

| Test | Date | Result |
|---|---|---|
| **Batch** | 2026-07-20 | Complete |
| **Cannabinoids** | 2026-07-20 | Complete |
| **Moisture** | 2026-07-20 | 10.50% |

### Methodology & Quality Control

Total THC = D9-THC + 0.877 × THCa. Total CBD = CBD + 0.877 × CBDa. Total Cannabinoids = Sum of individual cannabinoids detected. Testing performed using validated HPLC-UV/MS methods per ISO 17025 standards. Unless otherwise stated, all quality control samples performed within specifications. This Certificate applies only to the sample(s) tested and is not a declaration of product safety, efficacy, or regulatory compliance.

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Sarah Mitchell

**Sarah Mitchell**
Laboratory Director
2026-07-20

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**Test Result**

**PASS**

### ✓ All Safety Tests Passed

This sample has been tested for microbial contaminants, heavy metals, and mycotoxins. All results are within acceptable limits as defined by state regulations and industry standards.

## Microbial Contaminants

Pass

| Test | Result | Limit | Status |
|---|---|---|---|
| E. coli | **ND** | ND | Pass |
| Salmonella | **ND** | ND | Pass |
| Total Coliforms | **ND** | 100 | Pass |
| Aspergillus niger | **ND** | ND | Pass |
| Aspergillus flavus | **ND** | ND | Pass |
| Total Yeast & Mold | **ND** | 1000 | Pass |
| Aspergillus terreus | **ND** | ND | Pass |
| Total Aerobic Count | **380** | 10000 | Pass |
| Aspergillus fumigatus | **ND** | ND | Pass |
| Bile-Tolerant Gram-Negative | **ND** | 100 | Pass |

## Heavy Metals Analysis

Pass

| Analyte | LOD | LOQ | Result | Limit | Status |
|---|---|---|---|---|---|
| Lead (Pb) | 0.02 | 0.05 | **ND** | <0.5 | Pass |
| Arsenic (As) | 0.02 | 0.05 | **ND** | <0.2 | Pass |
| Cadmium (Cd) | 0.02 | 0.05 | **ND** | <0.2 | Pass |
| Mercury (Hg) | 0.005 | 0.02 | **ND** | <0.1 | Pass |

## Mycotoxins

Pass

| Analyte | LOD | LOQ | Result | Limit | Status |
|---|---|---|---|---|---|
| Aflatoxin B1 | 1 | 5 | **ND** | <20 | Pass |
| Aflatoxin B2 | 1 | 5 | **ND** | <20 | Pass |
| Aflatoxin G1 | 1 | 5 | **ND** | <20 | Pass |
| Aflatoxin G2 | 1 | 5 | **ND** | <20 | Pass |
| Ochratoxin A | 1 | 5 | **ND** | <20 | Pass |

### Methodology & Quality Control

All safety and compliance testing is performed in accordance with ISO 17025 accredited laboratory standards. Heavy metals via ICP-MS. Microbial via qPCR. Solvents via HS-GC-MS. Mycotoxins via LC-MS/MS. ND = Not Detected (below Limit of Detection).

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**Test Result**

**PASS**

### ✓ All Pesticide Tests Passed

Category I pesticides are banned substances with zero tolerance. Any detection of these pesticides results in automatic failure and product cannot be sold.

**CATEGORY I** **Zero Tolerance - 22 Analytes** Any detection = FAIL

## Pesticide Analysis - 66 Analytes

**Pass**

Method: LC-MS/MS | LOD: 0.005-0.05 ppm | LOQ: 0.01-0.1 ppm

| Analyte | Result | Status |
|---|---|---|
| Aldicarb | ND | Pass |
| Carbofuran | ND | Pass |
| Chlordane | ND | Pass |
| Chlorfenapyr | ND | Pass |
| Chlorpyrifos | ND | Pass |
| Coumaphos | ND | Pass |
| Daminozide | ND | Pass |
| DDVP (Dichlorvos) | ND | Pass |
| Dimethoate | ND | Pass |
| Ethoprophos | ND | Pass |
| Etofenprox | ND | Pass |

| Analyte | Result | Status |
|---|---|---|
| Fenoxycarb | ND | Pass |
| Fipronil | ND | Pass |
| Imazalil | ND | Pass |
| Methiocarb | ND | Pass |
| Mevinphos | ND | Pass |
| Paclobutrazol | ND | Pass |
| Parathion-methyl | ND | Pass |
| Pentachloronitrobenzene | ND | Pass |
| Propoxur | ND | Pass |
| Spiroxamine | ND | Pass |
| Thiacloprid | ND | Pass |

### Methodology & Quality Control

Comprehensive pesticide screening performed using LC-MS/MS in accordance with ISO 17025 standards. Category I pesticides are banned substances with zero tolerance. Category II pesticides have established action levels. All results in ppm. ND = Not Detected.

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**Test Result**
**PASS**

### ✓ All Pesticide Tests Passed

Category II pesticides have established action levels. Results must be below the regulatory limits shown. These pesticides are restricted but allowed at specified concentrations.

**CATEGORY II** **Action Level - 44 Analytes** Must be below established limits

| Analyte | Result | Status |
|---|---|---|
| Abamectin | ND | Pass |
| Acephate | ND | Pass |
| Acequinocyl | ND | Pass |
| Acetamiprid | ND | Pass |
| Azoxystrobin | ND | Pass |
| Bifenazate | ND | Pass |
| Bifenthrin | ND | Pass |
| Boscalid | ND | Pass |
| Captan | ND | Pass |
| Carbaryl | ND | Pass |
| Chlorantraniliprole | ND | Pass |
| Clofentezine | ND | Pass |
| Cyfluthrin | ND | Pass |
| Cypermethrin | ND | Pass |
| Diazinon | ND | Pass |
| Dimethomorph | ND | Pass |
| Etoxazole | ND | Pass |
| Fenhexamid | ND | Pass |
| Fenpyroximate | ND | Pass |
| Flonicamid | ND | Pass |
| Fludioxonil | ND | Pass |
| Hexythiazox | ND | Pass |

| Analyte | Result | Status |
|---|---|---|
| Imidacloprid | ND | Pass |
| Kresoxim-methyl | ND | Pass |
| Malathion | ND | Pass |
| Metalaxyl | ND | Pass |
| Methomyl | ND | Pass |
| Myclobutanil | ND | Pass |
| Naled | ND | Pass |
| Oxamyl | ND | Pass |
| Permethrin | ND | Pass |
| Phosmet | ND | Pass |
| Piperonyl Butoxide | ND | Pass |
| Prallethrin | ND | Pass |
| Propiconazole | ND | Pass |
| Pyrethrins | ND | Pass |
| Pyridaben | ND | Pass |
| Spinetoram | ND | Pass |
| Spinosad | ND | Pass |
| Spiromesifen | ND | Pass |
| Spirotetramat | ND | Pass |
| Tebuconazole | ND | Pass |
| Thiamethoxam | ND | Pass |
| Trifloxystrobin | ND | Pass |

### Methodology & Quality Control

Comprehensive pesticide screening performed using LC-MS/MS in accordance with ISO 17025 standards. Category I pesticides are banned substances with zero tolerance. Category II pesticides have established action levels. All results in ppm. ND = Not Detected.

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**Test Result**

**PASS**

### ✓ All Solvent Tests Passed

Residual solvents testing per USP <467> standards. Class 1 solvents (carcinogens) have strict limits. Class 2/3 solvents have higher allowable limits. All results in ppm (parts per million).

USP <467> **Residual Solvents - 14 Analytes** HS-GC-MS Analysis

| Solvent | Result (ppm) | Limit (ppm) |
|---|---|---|
| Acetone | <LOQ | 5000 |
| Benzene | <LOQ | 2 |
| Butane | <LOQ | 5000 |
| Chloroform | <LOQ | 2 |
| Ethanol | <LOQ | 5000 |
| Ethyl Acetate | <LOQ | 5000 |
| Heptane | <LOQ | 5000 |

| Solvent | Result (ppm) | Limit (ppm) |
|---|---|---|
| Hexane | <LOQ | 290 |
| Isopropyl Alcohol | <LOQ | 5000 |
| Methanol | <LOQ | 3000 |
| Pentane | <LOQ | 5000 |
| Propane | <LOQ | 5000 |
| Toluene | <LOQ | 890 |
| Xylene | <LOQ | 2170 |

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