SC Labs®

# Hemp Quality Assurance Testing
# CERTIFICATE OF ANALYSIS

**DATE ISSUED 12/27/2024**

## SAMPLE DETAILS

### SAMPLE NAME: Kiva Camino Hemp Sparkling Pear

Infused, Solid Edible

### CULTIVATOR / MANUFACTURER

**Business Name:** Atlantic Candy Company

**License Number:**

**Address:**
St Augustine FL 32086

### DISTRIBUTOR / TESTED FOR

**Business Name:** Kiva Products, LLC

**License Number:**

**Address:** 2300 N Loop Rd.
Alameda CA 94502

Scan QR code to verify authenticity of results.

### SAMPLE DETAIL

**Batch Number:** KV03241219- 54703

**Sample ID:** 241221L012

**Date Collected:** 12/21/2024

**Date Received:** 12/21/2024

**Batch Size:**

**Sample Size:** 1.0 units

**Unit Mass:** 72.27 grams per Unit

**Serving Size:** 3.6135 grams per Serving

## CANNABINOID ANALYSIS - SUMMARY

**Total THC: 39.821 mg/unit**

**Total CBD: 121.992 mg/unit**

**Sum of Cannabinoids: 162.318 mg/unit**

**Total Cannabinoids: 162.318 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 + CBL + CBN
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 + CBL + CBN

## TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

**Total Terpenoids: <LOQ**

β-Caryophyllene <LOQ

## SAFETY ANALYSIS - SUMMARY

| | | | |
|---|---|---|---|
| $\Delta^9$-THC per Unit: PASS | $\Delta^9$-THC per Serving: PASS | Pesticides: PASS | Mycotoxins: PASS |
| Residual Solvents: PASS | Heavy Metals: PASS | Microbiology (PCR): PASS | Microbiology (Plating): ND |
| Foreign Material: PASS | Water Activity: PASS | | |

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. 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:** California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

**Decision Rule:** Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

**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)

LQC verified by: Michael Pham
Job Title: Senior Laboratory Analyst
Date: 12/27/2024

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 12/27/2024

Amendment to Certificate of Analysis 241221L012-001


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## Cannabinoid Analysis

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

**Method:** QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

### TOTAL THC: 39.821 mg/unit

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

### TOTAL CBD: 121.992 mg/unit

Total CBD (CBD+0.877*CBDa)

### TOTAL CANNABINOIDS: 162.318 mg/unit

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

### TOTAL CBG: ND

Total CBG (CBG+0.877*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

### TOTAL CBC: ND

Total CBC (CBC+0.877*CBCa)

### TOTAL CBDV: ND

Total CBDV (CBDV+0.877*CBDVa)

**CANNABINOID TEST RESULTS -** 12/22/2024

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---|---|---|---|---|
| CBD | *0.004 / 0.011* | *±0.0630* | 1.688 | 0.1688 |
| $\Delta^9$-THC | *0.002 / 0.014* | *±0.0302* | 0.551 | 0.0551 |
| CBN | *0.001 / 0.007* | *±0.0002* | 0.007 | 0.0007 |
| $\Delta^8$-THC | *0.01 / 0.02* | *N/A* | ND | ND |
| THCa | *0.001 / 0.005* | *N/A* | ND | ND |
| THCV | *0.002 / 0.012* | *N/A* | ND | ND |
| THCVa | *0.002 / 0.019* | *N/A* | ND | ND |
| CBDa | *0.001 / 0.026* | *N/A* | ND | ND |
| CBDV | *0.002 / 0.012* | *N/A* | ND | ND |
| CBDVa | *0.001 / 0.018* | *N/A* | ND | ND |
| CBG | *0.002 / 0.006* | *N/A* | ND | ND |
| CBGa | *0.002 / 0.007* | *N/A* | ND | ND |
| CBL | *0.003 / 0.010* | *N/A* | ND | ND |
| CBC | *0.003 / 0.010* | *N/A* | ND | ND |
| CBCa | *0.001 / 0.015* | *N/A* | ND | ND |
| SUM OF CANNABINOIDS | | | 2.246 mg/g | 0.2246% |

Unit Mass: 72.27 grams per Unit / Serving Size: 3.6135 grams per Serving

| | | | |
|---|---|---|---|
| $\Delta^9$-THC per Unit | *110 per-package limit* | 39.821 mg/unit | PASS |
| $\Delta^9$-THC per Serving | | 1.991 mg/serving | PASS |
| Total THC per Unit | | 39.821 mg/unit | |
| Total THC per Serving | | 1.991 mg/serving | |
| CBD per Unit | | 121.992 mg/unit | |
| CBD per Serving | | 6.100 mg/serving | |
| Total CBD per Unit | | 121.992 mg/unit | |
| Total CBD per Serving | | 6.100 mg/serving | |
| Sum of Cannabinoids per Unit | | 162.318 mg/unit | |
| Sum of Cannabinoids per Serving | | 8.116 mg/serving | |
| Total Cannabinoids per Unit | | 162.318 mg/unit | |
| Total Cannabinoids per Serving | | 8.116 mg/serving | |


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## Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

**Method:** QSP 1192 - Analysis of Terpenoids by GC-FID

### 1 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.

**TERPENOID TEST RESULTS** - 12/26/2024

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---|---|---|---|---|
| β-Caryophyllene | *0.004 / 0.012* | *N/A* | <LOQ | <LOQ |
| α-Bisabolol | *0.008 / 0.026* | *N/A* | ND | ND |
| α-Cedrene | *0.005 / 0.016* | *N/A* | ND | ND |
| α-Humulene | *0.009 / 0.180* | *N/A* | ND | ND |
| α-Phellandrene | *0.006 / 0.036* | *N/A* | ND | ND |
| α-Pinene | *0.005 / 0.036* | *N/A* | ND | ND |
| α-Terpinene | *0.005 / 0.017* | *N/A* | ND | ND |
| β-Ocimene | *0.006 / 0.025* | *N/A* | ND | ND |
| β-Pinene | *0.004 / 0.014* | *N/A* | ND | ND |
| Borneol | *0.005 / 0.016* | *N/A* | ND | ND |
| Camphene | *0.005 / 0.015* | *N/A* | ND | ND |
| Camphor | *0.006 / 0.036* | *N/A* | ND | ND |
| Caryophyllene Oxide | *0.010 / 0.033* | *N/A* | ND | ND |
| Cedrol | *0.008 / 0.027* | *N/A* | ND | ND |
| Citronellol | *0.003 / 0.036* | *N/A* | ND | ND |
| $\Delta^3$-Carene | *0.005 / 0.018* | *N/A* | ND | ND |
| Eucalyptol | *0.006 / 0.018* | *N/A* | ND | ND |
| Fenchol | *0.010 / 0.036* | *N/A* | ND | ND |
| Fenchone | *0.009 / 0.036* | *N/A* | ND | ND |
| γ-Terpinene | *0.006 / 0.018* | *N/A* | ND | ND |
| Geraniol | *0.002 / 0.036* | *N/A* | ND | ND |
| Geranyl Acetate | *0.004 / 0.036* | *N/A* | ND | ND |
| Guaiol | *0.009 / 0.030* | *N/A* | ND | ND |
| Isoborneol | *0.004 / 0.012* | *N/A* | ND | ND |
| Isopulegol | *0.005 / 0.036* | *N/A* | ND | ND |
| Limonene | *0.005 / 0.036* | *N/A* | ND | ND |
| Linalool | *0.009 / 0.036* | *N/A* | ND | ND |
| Menthol | *0.008 / 0.025* | *N/A* | ND | ND |
| Myrcene | *0.008 / 0.025* | *N/A* | ND | ND |
| Nerol | *0.003 / 0.036* | *N/A* | ND | ND |
| Nerolidol | *0.006 / 0.021* | *N/A* | ND | ND |
| p-Cymene | *0.005 / 0.016* | *N/A* | ND | ND |
| Pulegone | *0.003 / 0.011* | *N/A* | ND | ND |
| Sabinene | *0.004 / 0.014* | *N/A* | ND | ND |
| Sabinene Hydrate | *0.006 / 0.036* | *N/A* | ND | ND |
| Terpineol | *0.009 / 0.031* | *N/A* | ND | ND |
| Terpinolene | *0.008 / 0.036* | *N/A* | ND | ND |
| trans-β-Farnesene | *0.008 / 0.025* | *N/A* | ND | ND |
| Valencene | *0.009 / 0.180* | *N/A* | ND | ND |
| **TOTAL TERPENOIDS** | | | <LOQ | <LOQ |


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## Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS). ‡Analytes part of our California Select Panel.

*GC-MS utilized where indicated.

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

**PESTICIDE TEST RESULTS** - 12/23/2024 PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Abamectin | 0.032 / 0.097 | 0.3 | N/A | ND | PASS |
| Acephate | 0.006 / 0.018 | 5 | N/A | ND | PASS |
| Acequinocyl | 0.009 / 0.027 | 4 | N/A | ND | PASS |
| Acetamiprid | 0.016 / 0.049 | 5 | N/A | ND | PASS |
| Aldicarb | 0.030 / 0.090 | ≥ LOD | N/A | ND | PASS |
| Allethrin | 0.030 / 0.092 | | N/A | ND | |
| Atrazine | 0.006 / 0.019 | | N/A | ND | |
| Azadirachtin | 0.082 / 0.248 | | N/A | ND | |
| Azoxystrobin | 0.003 / 0.009 | 40 | N/A | ND | PASS |
| Benzovindiflupyr | 0.003 / 0.009 | | N/A | ND | |
| Bifenazate | 0.003 / 0.009 | 5 | N/A | ND | PASS |
| Bifenthrin | 0.021 / 0.064 | 0.5 | N/A | ND | PASS |
| Boscalid | 0.003 / 0.009 | 10 | N/A | ND | PASS |
| Buprofezin‡ | 0.006 / 0.019 | | N/A | ND | |
| Captan | 0.045 / 0.135 | 5 | N/A | ND | PASS |
| Carbaryl | 0.007 / 0.020 | 0.5 | N/A | ND | PASS |
| Carbofuran | 0.003 / 0.008 | ≥ LOD | N/A | ND | PASS |
| Chlorantraniliprole | 0.006 / 0.018 | 40 | N/A | ND | PASS |
| Chlordane* | 0.010 / 0.032 | ≥ LOD | N/A | ND | PASS |
| Chlorfenapyr* | 0.005 / 0.015 | ≥ LOD | N/A | ND | PASS |
| Chlormequat chloride | 0.022 / 0.066 | | N/A | ND | |
| Chlorpyrifos | 0.013 / 0.039 | ≥ LOD | N/A | ND | PASS |
| Clofentezine | 0.003 / 0.009 | 0.5 | N/A | ND | PASS |
| Clothianidin | 0.008 / 0.025 | | N/A | ND | |
| Coumaphos | 0.003 / 0.010 | ≥ LOD | N/A | ND | PASS |
| Cyantraniliprole | 0.003 / 0.010 | | N/A | ND | |
| Cyfluthrin | 0.052 / 0.159 | 1 | N/A | ND | PASS |
| Cypermethrin | 0.051 / 0.153 | 1 | N/A | ND | PASS |
| Cyprodinil‡ | 0.003 / 0.008 | | N/A | ND | |
| Daminozide | 0.026 / 0.077 | ≥ LOD | N/A | ND | PASS |
| Deltamethrin | 0.059 / 0.180 | | N/A | ND | |
| Diazinon | 0.006 / 0.017 | 0.2 | N/A | ND | PASS |
| Dichlorvos (DDVP) | 0.012 / 0.038 | ≥ LOD | N/A | ND | PASS |
| Dimethoate | 0.003 / 0.009 | ≥ LOD | N/A | ND | PASS |
| Dimethomorph | 0.016 / 0.050 | 20 | N/A | ND | PASS |
| Dinotefuran | 0.010 / 0.030 | | N/A | ND | |
| Diuron | 0.013 / 0.040 | | N/A | ND | |
| Dodemorph | 0.012 / 0.035 | | N/A | ND | |
| Endosulfan sulfate | 0.016 / 0.048 | | N/A | ND | |
| Endosulfan-α* | 0.004 / 0.014 | | N/A | ND | |
| Endosulfan-β* | 0.006 / 0.019 | | N/A | ND | |

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## Pesticide Analysis *Continued*

**PESTICIDE TEST RESULTS** - 12/23/2024 *continued* PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Ethoprophos | 0.003 / 0.009 | ≥ LOD | N/A | ND | PASS |
| Etofenprox | 0.014 / 0.042 | ≥ LOD | N/A | ND | PASS |
| Etoxazole | 0.007 / 0.020 | 1.5 | N/A | ND | PASS |
| Etridiazole* | 0.002 / 0.005 | | N/A | ND | |
| Fenhexamid | 0.003 / 0.008 | 10 | N/A | ND | PASS |
| Fenoxycarb | 0.003 / 0.010 | ≥ LOD | N/A | ND | PASS |
| Fenpyroximate | 0.007 / 0.020 | 2 | N/A | ND | PASS |
| Fensulfothion | 0.003 / 0.010 | | N/A | ND | |
| Fenthion | 0.003 / 0.010 | | N/A | ND | |
| Fenvalerate‡ | 0.033 / 0.099 | | N/A | ND | |
| Fipronil | 0.003 / 0.010 | ≥ LOD | N/A | ND | PASS |
| Flonicamid | 0.007 / 0.022 | 2 | N/A | ND | PASS |
| Fludioxonil | 0.003 / 0.010 | 30 | N/A | ND | PASS |
| Fluopyram‡ | 0.003 / 0.009 | | N/A | ND | |
| Hexythiazox | 0.003 / 0.010 | 2 | N/A | ND | PASS |
| Imazalil | 0.003 / 0.009 | ≥ LOD | N/A | ND | PASS |
| Imidacloprid | 0.003 / 0.010 | 3 | N/A | ND | PASS |
| Iprodione | 0.077 / 0.233 | | N/A | ND | |
| Kinoprene | 0.077 / 0.233 | | N/A | ND | |
| Kresoxim-methyl | 0.006 / 0.019 | 1 | N/A | ND | PASS |
| λ-Cyhalothrin | 0.068 / 0.206 | | N/A | ND | |
| Malathion | 0.003 / 0.009 | 5 | N/A | ND | PASS |
| Metalaxyl | 0.003 / 0.010 | 15 | N/A | ND | PASS |
| Methiocarb | 0.003 / 0.008 | ≥ LOD | N/A | ND | PASS |
| Methomyl | 0.008 / 0.025 | 0.1 | N/A | ND | PASS |
| Methoprene‡ | 0.172 / 0.521 | | N/A | ND | |
| Mevinphos | 0.008 / 0.024 | ≥ LOD | N/A | ND | PASS |
| MGK-264 | 0.015 / 0.047 | | N/A | ND | |
| Myclobutanil | 0.003 / 0.009 | 9 | N/A | ND | PASS |
| Naled | 0.021 / 0.064 | 0.5 | N/A | ND | PASS |
| Novaluron | 0.002 / 0.005 | | N/A | ND | |
| Oxamyl | 0.017 / 0.051 | 0.2 | N/A | ND | PASS |
| Paclobutrazol | 0.003 / 0.010 | ≥ LOD | N/A | ND | PASS |
| Parathion-methyl | 0.016 / 0.050 | ≥ LOD | N/A | ND | PASS |
| Pentachloronitro-benzene (Quintozene)* | 0.004 / 0.012 | 0.2 | N/A | ND | PASS |
| Permethrin | 0.056 / 0.168 | 20 | N/A | ND | PASS |
| Phenothrin | 0.016 / 0.047 | | N/A | ND | |
| Phosmet | 0.007 / 0.020 | 0.2 | N/A | ND | PASS |
| Piperonyl Butoxide | 0.010 / 0.029 | 8 | N/A | ND | PASS |
| Pirimicarb | 0.003 / 0.009 | | N/A | ND | |
| Prallethrin | 0.015 / 0.046 | 0.4 | N/A | ND | PASS |

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## Pesticide Analysis *Continued*

**PESTICIDE TEST RESULTS -** 12/23/2024 *continued* PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Propiconazole | 0.027 / 0.080 | 20 | N/A | ND | PASS |
| Propoxur | 0.003 / 0.008 | ≥ LOD | N/A | ND | PASS |
| Pyraclostrobin | 0.003 / 0.010 | | N/A | ND | |
| Pyrethrins | 0.016 / 0.049 | 1 | N/A | ND | PASS |
| Pyridaben | 0.005 / 0.017 | 3 | N/A | ND | PASS |
| Pyriproxyfen | 0.003 / 0.009 | | N/A | ND | |
| Resmethrin | 0.013 / 0.039 | | N/A | ND | |
| Spinetoram | 0.003 / 0.010 | 3 | N/A | ND | PASS |
| Spinosad | 0.003 / 0.010 | 3 | N/A | ND | PASS |
| Spirodiclofen | 0.031 / 0.093 | | N/A | ND | |
| Spiromesifen | 0.016 / 0.050 | 12 | N/A | ND | PASS |
| Spirotetramat | 0.003 / 0.010 | 13 | N/A | ND | PASS |
| Spiroxamine | 0.020 / 0.062 | ≥ LOD | N/A | ND | PASS |
| Tebuconazole | 0.003 / 0.010 | 2 | N/A | ND | PASS |
| Tebufenozide | 0.003 / 0.008 | | N/A | ND | |
| Teflubenzuron | 0.007 / 0.022 | | N/A | ND | |
| Tetrachlorvinphos | 0.003 / 0.008 | | N/A | ND | |
| Tetramethrin | 0.021 / 0.063 | | N/A | ND | |
| Thiabendazole | 0.006 / 0.020 | | N/A | ND | |
| Thiacloprid | 0.003 / 0.009 | ≥ LOD | N/A | ND | PASS |
| Thiamethoxam | 0.003 / 0.010 | 4.5 | N/A | ND | PASS |
| Thiophanate-methyl | 0.013 / 0.040 | | N/A | ND | |
| Trifloxystrobin | 0.003 / 0.009 | 30 | N/A | ND | PASS |

## Mycotoxin Analysis

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

**Method:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

**MYCOTOXIN TEST RESULTS -** 12/23/2024 PASS

| COMPOUND | LOD/LOQ (µg/kg) | ACTION LIMIT (µg/kg) | MEASUREMENT UNCERTAINTY (µg/kg) | RESULT (µg/kg) | RESULT |
|---|---|---|---|---|---|
| Aflatoxin B1 | 1.6 / 5.0 | | N/A | ND | |
| Aflatoxin B2 | 1.4 / 4.1 | | N/A | ND | |
| Aflatoxin G1 | 1.6 / 4.9 | | N/A | ND | |
| Aflatoxin G2 | 1.6 / 5.0 | | N/A | ND | |
| Ochratoxin A | 1.6 / 5.0 | 20 | N/A | ND | PASS |
| Total Aflatoxin | | 20 | | ND | PASS |


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## Residual Solvents Analysis

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

**Method:** QSP 1204 - Analysis of Residual Solvents by GC-MS

**Total Butanes** = n-Butane + 2-Methylpropane (Isobutane)
**Total Pentanes** = n-Pentane + 2-Methylbutane (Isopentane) + 2,2-Dimethylpropane (Neopentane)
**Total Hexanes** = n-Hexane + 2,2-Dimethylbutane (Neohexane) + 2,3-Dimethylbutane / 2-Methylpentane (Isohexane) + 3-Methylpentane
**Total Heptanes** = 2,2-Dimethylpentane (Neoheptane) + 2,3-Dimethylpentane + 2,4-Dimethylpentane + 3,3-Dimethylpentane + 2,2,3-Trimethylbutane (Triptane) + 2-Methylhexane (Isoheptane) + 3-Methylhexane + 3-Ethylpentane + n-Heptane
**Total Xylenes** = 1,2-Dimethylbenzene (o-Xylene) + 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene) + Ethylbenzene

RESIDUAL SOLVENTS TEST RESULTS - 12/27/2024 PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Propane | 0.234 / 0.781 | 5000 | N/A | ND | PASS |
| 2-Methylpropane (Isobutane) | 0.052 / 0.173 | | N/A | ND | |
| n-Butane | 0.019 / 0.063 | 5000 | N/A | ND | PASS |
| Total Butanes | | | | ND | |
| 2-Methylbutane (Isopentane) | 0.310 / 1.035 | | N/A | ND | |
| 2,2-Dimethylpropane (Neopentane) | 0.035 / 0.117 | | N/A | ND | |
| n-Pentane | 0.310 / 1.033 | 5000 | N/A | ND | PASS |
| Total Pentanes | | | | ND | |
| 2,2-Dimethylbutane (Neohexane) | 9.831 / 32.77 | | N/A | ND | |
| 2,3-Dimethylbutane / 2-Methylpentane (Isohexane) | 0.381 / 1.271 | | N/A | ND | |
| 3-Methylpentane | 0.109 / 0.365 | | N/A | ND | |
| n-Hexane | 0.110 / 0.366 | 290 | N/A | ND | PASS |
| Total Hexanes | | | | ND | |
| Cyclohexane | 0.357 / 1.190 | | N/A | ND | |
| 2,2-Dimethylpentane (Neoheptane) | 0.493 / 1.642 | | N/A | ND | |
| 2,3-Dimethylpentane | 1.009 / 3.365 | | N/A | ND | |
| 2,4-Dimethylpentane | 0.737 / 2.458 | | N/A | ND | |
| 3,3-Dimethylpentane | 0.198 / 0.660 | | N/A | ND | |
| 2,2,3-Trimethylbutane (Triptane) | 0.521 / 1.738 | | N/A | ND | |
| 2-Methylhexane (Isoheptane) | 0.610 / 2.034 | | N/A | ND | |
| 3-Methylhexane | 0.235 / 0.785 | | N/A | ND | |
| 3-Ethylpentane | 0.304 / 1.012 | | N/A | ND | |
| n-Heptane | 13.12 / 43.72 | 5000 | N/A | ND | PASS |
| Total Heptanes | | | | ND | |
| Cycloheptane | 0.597 / 1.989 | | N/A | ND | |
| Benzene | 0.089 / 0.295 | 1 | N/A | ND | PASS |
| Toluene | 0.115 / 0.382 | 890 | N/A | ND | PASS |
| Cumene | 0.180 / 0.600 | | N/A | ND | |
| 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene) | 0.451 / 1.502 | | N/A | ND | |
| 1,2-Dimethylbenzene (o-Xylene) | 0.387 / 1.289 | | N/A | ND | |
| Ethylbenzene | 0.370 / 1.233 | | N/A | ND | |
| Total Xylenes | | 2170 | | ND | PASS |
| Methanol | 53.92 / 163.4 | 3000 | N/A | ND | PASS |
| Ethanol | 8.984 / 27.23 | 5000 | ±42.731 | 2739.19 | PASS |
| 1-Propanol | 1.540 / 5.133 | | N/A | ND | |
| 2-Propanol (Isopropyl Alcohol) | 8.421 / 25.52 | 5000 | N/A | ND | PASS |

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## Residual Solvents Analysis
*Continued*

RESIDUAL SOLVENTS TEST RESULTS - 12/27/2024 *continued* PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| 1-Butanol | *0.475 / 1.582* | | *N/A* | ND | |
| 2-Butanol | *7.248 / 24.16* | | *N/A* | ND | |
| 1-Pentanol | *1.461 / 4.869* | | *N/A* | ND | |
| Acetone | *10.59 / 32.08* | *5000* | *N/A* | ND | PASS |
| 2-Butanone | *0.169 / 0.564* | | *N/A* | ND | |
| Tetrahydrofuran | *0.622 / 2.075* | | *N/A* | ND | |
| Ethyl Ether | *0.197 / 0.658* | *5000* | *N/A* | ND | PASS |
| Ethylene Glycol | *3.803 / 12.68* | | *N/A* | ND | |
| 2-Ethoxyethanol | *1.235 / 4.118* | | *N/A* | ND | |
| 1,2-Dimethoxyethane | *2.116 / 7.052* | | *N/A* | ND | |
| 1,4-Dioxane | *0.468 / 1.558* | | *N/A* | ND | |
| Ethylene Oxide | *0.253 / 0.844* | *1* | *N/A* | ND | PASS |
| Ethyl Acetate | *1.123 / 3.745* | *5000* | *±0.5013* | 33.644 | PASS |
| Isopropyl Acetate | *0.347 / 1.158* | | *N/A* | ND | |
| Chloroform | *0.251 / 0.838* | *1* | *N/A* | ND | PASS |
| Dichloromethane (Methylene Chloride) | *2.651 / 8.838* | *1* | *N/A* | ND | PASS |
| Trichloroethylene | *0.299 / 0.996* | *1* | *N/A* | ND | PASS |
| 1,2-Dichloroethane | *0.162 / 0.541* | *1* | *N/A* | ND | PASS |
| 1,1-Dichloroethene | *0.185 / 0.616* | | *N/A* | ND | |
| 1,2-Dichloroethene | *0.428 / 1.427* | | *N/A* | ND | |
| Sulfolane | *47.66 / 158.9* | | *N/A* | ND | |
| Dimethyl Sulfoxide | *6.168 / 20.56* | | *N/A* | ND | |
| Acetonitrile | *1.595 / 4.833* | *410* | *N/A* | ND | PASS |
| Pyridine | *0.407 / 1.355* | | *N/A* | ND | |
| N,N-Dimethylacetamide | *0.127 / 0.422* | | *N/A* | ND | |
| N,N-Dimethylformamide | *0.946 / 3.153* | | *N/A* | ND | |

## Heavy Metals Analysis

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

**Method:** QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 12/22/2024 PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Arsenic | *0.02 / 0.1* | *1.5* | *N/A* | ND | PASS |
| Boron | *0.21 / 0.64* | | *N/A* | ND | |
| Cadmium | *0.02 / 0.05* | *0.5* | *N/A* | ND | PASS |
| Chromium | *0.12 / 0.35* | | *N/A* | ND | |
| Cobalt | *0.10 / 0.30* | | *N/A* | ND | |
| Copper | *0.14 / 0.44* | | *N/A* | ND | |
| Lead | *0.04 / 0.1* | *0.5* | *N/A* | ND | PASS |
| Lithium | *0.10 / 0.31* | | *N/A* | ND | |
| Manganese | *0.13 / 0.40* | | *N/A* | ND | |
| Mercury | *0.002 / 0.01* | *3* | *N/A* | ND | PASS |

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## Heavy Metals Analysis *Continued*

**HEAVY METALS TEST RESULTS -** 12/22/2024 *continued* PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---|---|---|---|---|---|
| Molybdenum | *0.15 / 0.44* | | *N/A* | ND | |
| Nickel | *0.13 / 0.39* | | *N/A* | ND | |
| Selenium | *0.5 / 1.5* | | *N/A* | ND | |
| Silver | *0.15 / 0.47* | | *N/A* | ND | |
| Sulfur | *78 / 235* | | *N/A* | <LOQ | |
| Titanium | *0.12 / 0.38* | | *N/A* | ND | |
| Tungsten | *0.10 / 0.32* | | *N/A* | ND | |
| Zinc | *0.8 / 2.5* | | *N/A* | ND | |

## Microbiology Analysis

PCR AND PLATING

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

**Method:** QSP 1221 - Analysis of Microbiological Contaminants

**MICROBIOLOGY TEST RESULTS (PCR) -** 12/24/2024 PASS

| COMPOUND | ACTION LIMIT (cfu/g) | RESULT (cfu/g) | RESULT |
|---|---|---|---|
| *Aspergillus flavus* | *Not Detected in 1g* | ND | PASS |
| *Aspergillus fumigatus* | *Not Detected in 1g* | ND | PASS |
| *Aspergillus niger* | *Not Detected in 1g* | ND | PASS |
| *Aspergillus terreus* | *Not Detected in 1g* | ND | PASS |
| Bile-Tolerant Gram-Negative Bacteria | | ND | |
| *Campylobacter* spp. | | ND | |
| *Candida albicans* | | ND | |
| *Listeria monocytogenes* | | ND | |
| *Pseudomonas aeruginosa* | | ND | |
| *Salmonella* spp. | *Not Detected in 1g* | ND | PASS |
| Shiga toxin-producing *Escherichia coli* | *Not Detected in 1g* | ND | PASS |
| *Staphylococcus aureus* | | ND | |
| *Yersinia* spp. | | ND | |

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

**Method:** QSP 6794 - Plating with 3M™ Petrifilm™

**MICROBIOLOGY TEST RESULTS (PLATING) -** 12/24/2024 **ND**

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


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## Foreign Material Analysis

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta.

**Method:** QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

**FOREIGN MATERIAL TEST RESULTS** - 12/26/2024 PASS

| COMPOUND | ACTION LIMIT | RESULT (per 3 Grams) | RESULT |
|---|---|---|---|
| Hair Count | *> 1 per 3 grams* | 0.0 | PASS |
| Insect Fragment Count | *> 1 per 3 grams* | 0.0 | PASS |
| Mammalian Excreta Count | *> 1 per 3 grams* | 0.0 | PASS |
| Total Sample Area Covered by an Imbedded Foreign Material | *>25%* | None | PASS |
| Total Sample Area Covered by Mold | *>25%* | None | PASS |
| Total Sample Area Covered by Sand, Soil, Cinders, or Dirt | *>25%* | None | PASS |

## Water Activity Analysis

**Method:** QSP 1227 - Analysis of Water Activity in Cannabis and Cannabis Products

**WATER ACTIVITY TEST RESULTS** - 12/27/2024 PASS

| COMPOUND | LOD/LOQ (Aw) | ACTION LIMIT (Aw) | MEASUREMENT UNCERTAINTY (Aw) | RESULT (Aw) | RESULT |
|---|---|---|---|---|---|
| Water Activity | *0.030 / 0.15* | *0.85* | *±0.036* | 0.73 | PASS |

**NOTES**
Reason for Amendment: Add/Remove Test(s)


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