

**SAMPLE NAME: Full Spectrum CBD Gummies - Sour Mixed Berry**

Infused, Colorado Infused

**CULTIVATOR / MANUFACTURER**

**Business Name:**

**License Number:**

**Address:**

**DISTRIBUTOR / TESTED FOR**

**Business Name:** NuLeaf Naturals LLC

**License Number:**

**Address:** 1550 Larimer St. Ste 964

Denver, CO USA 80202

**SAMPLE DETAIL**

**Batch Number:** 422F306-0690, -0691, -0692

**Sample ID:** 240717M010

**Date of Sampling:** 07/17/2024

**Time of Sampling:** 11:30 a.m.

**Sampler Name:**

**Sampler Company:**

**Date Collected:** 07/17/2024

**Date Received:** 07/17/2024

**Batch Size:**

**Sample Size:** 1.0 units

**Unit Mass:**

**Serving Size:** 4 grams per Serving



Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**

**Total THC:** <LOQ

**Total CBD:** 3.677 mg/g

**Sum of Cannabinoids:** 4.811 mg/g

**Total Cannabinoids:** 4.811 mg/g

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

**SAFETY ANALYSIS - SUMMARY**

**Pesticides:** ✔ PASS

**Heavy Metals:** ✔ PASS

**Mycotoxins:** ✔ PASS

**Microbiology (PCR):** ✔ PASS

**Residual Solvents:** ✔ PASS

**Microbiology (Plating):** ✔ 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:** 6 CCR 1010-21 Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations; where applicable

**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), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

  
 Approved by: Josh Wurzer  
 Job Title: Chief Compliance Officer  
 Date: 07/24/2024

Amendment to Certificate of Analysis 240717M010-001



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: <LOQ

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

TOTAL CBD: 3.677 mg/g

Total CBD (CBD+0.877\*CBDA)

TOTAL CANNABINOIDS: 4.811 mg/g

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

TOTAL CBG: 1.005 mg/g

Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: 0.063 mg/g

Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: 0.027 mg/g

Total CBDV (CBDV+0.877\*CBDVa)

CANNABINOID TEST RESULTS - 07/20/2024

| COMPOUND            | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---------------------|----------------|--------------------------------|---------------|------------|
| CBD                 | 0.004 / 0.011  | ±0.1372                        | 3.677         | 0.3677     |
| CBG                 | 0.002 / 0.006  | ±0.0487                        | 1.005         | 0.1005     |
| CBC                 | 0.003 / 0.010  | ±0.0020                        | 0.063         | 0.0063     |
| CBN                 | 0.001 / 0.007  | ±0.0011                        | 0.039         | 0.0039     |
| CBDV                | 0.002 / 0.012  | ±0.0011                        | 0.027         | 0.0027     |
| $\Delta^9$ -THC     | 0.002 / 0.014  | N/A                            | <LOQ          | <LOQ       |
| CBL                 | 0.003 / 0.010  | N/A                            | <LOQ          | <LOQ       |
| $\Delta^8$ -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         |
| CBDVa               | 0.001 / 0.018  | N/A                            | ND            | ND         |
| CBGa                | 0.002 / 0.007  | N/A                            | ND            | ND         |
| CBCa                | 0.001 / 0.015  | N/A                            | ND            | ND         |
| Total THC           |                | N/A                            | <LOQ          | <LOQ       |
| SUM OF CANNABINOIDS |                |                                | 4.811 mg/g    | 0.4811%    |

Serving Size: 4 grams per Serving

|                                 |                   |
|---------------------------------|-------------------|
| $\Delta^9$ -THC per Serving     | <LOQ              |
| Total THC per Serving           | <LOQ              |
| CBD per Serving                 | 14.708 mg/serving |
| Total CBD per Serving           | 14.708 mg/serving |
| Sum of Cannabinoids per Serving | 19.244 mg/serving |
| Total Cannabinoids per Serving  | 19.244 mg/serving |

Pesticide Analysis

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

\*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 - 07/23/2024 ✓ PASS

| COMPOUND         | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Abamectin        | 0.032 / 0.097  | 0.25                | N/A                            | ND            | PASS   |
| Acephate         | 0.006 / 0.018  | 0.05                | N/A                            | ND            | PASS   |
| Acequinocyl      | 0.009 / 0.027  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Acetamiprid      | 0.016 / 0.049  | 0.05                | N/A                            | ND            | PASS   |
| Aldicarb         | 0.030 / 0.090  | 0.5                 | N/A                            | ND            | PASS   |
| Allethrin        | 0.030 / 0.092  | 0.1                 | N/A                            | ND            | PASS   |
| Atrazine         | 0.006 / 0.019  | ≥ LOQ               | N/A                            | ND            | PASS   |
| Azadirachtin     | 0.082 / 0.248  | 0.5                 | N/A                            | ND            | PASS   |
| Azoxystrobin     | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |
| Benzovindiflupyr | 0.003 / 0.009  | 0.01                | N/A                            | ND            | PASS   |

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**Pesticide Analysis** *Continued*

PESTICIDE TEST RESULTS - 07/23/2024 *continued* ✔ PASS

| COMPOUND            | LOD/LOQ<br>(µg/g) | ACTION LIMIT<br>(µg/g) | MEASUREMENT<br>UNCERTAINTY (µg/g) | RESULT<br>(µg/g) | RESULT |
|---------------------|-------------------|------------------------|-----------------------------------|------------------|--------|
| Bifenazate          | 0.003 / 0.009     | 0.01                   | N/A                               | ND               | PASS   |
| Bifenthrin          | 0.021 / 0.064     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Boscalid            | 0.003 / 0.009     | 0.01                   | N/A                               | ND               | PASS   |
| Buprofezin          | 0.006 / 0.019     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Carbaryl            | 0.007 / 0.020     | 0.025                  | N/A                               | ND               | PASS   |
| Carbofuran          | 0.003 / 0.008     | 0.01                   | N/A                               | ND               | PASS   |
| Chlorantraniliprole | 0.006 / 0.018     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Chlorfenapyr*       | 0.005 / 0.015     | 1.5                    | N/A                               | ND               | PASS   |
| Chlorpyrifos        | 0.013 / 0.039     | 0.5                    | N/A                               | ND               | PASS   |
| Clofentezine        | 0.003 / 0.009     | 0.01                   | N/A                               | ND               | PASS   |
| Clothianidin        | 0.008 / 0.025     | 0.025                  | N/A                               | ND               | PASS   |
| Coumaphos           | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Cyantraniliprole    | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Cyfluthrin          | 0.052 / 0.159     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Cypermethrin        | 0.051 / 0.153     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Cyprodinil          | 0.003 / 0.008     | 0.01                   | N/A                               | ND               | PASS   |
| Daminozide          | 0.026 / 0.077     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Deltamethrin        | 0.059 / 0.180     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Diazinon            | 0.006 / 0.017     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Dichlorvos (DDVP)   | 0.012 / 0.038     | 0.05                   | N/A                               | ND               | PASS   |
| Dimethoate          | 0.003 / 0.009     | 0.01                   | N/A                               | ND               | PASS   |
| Dimethomorph        | 0.016 / 0.050     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Dinotefuran         | 0.010 / 0.030     | 0.05                   | N/A                               | ND               | PASS   |
| Diuron              | 0.013 / 0.040     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Dodemorph           | 0.012 / 0.035     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Endosulfan sulfate  | 0.016 / 0.048     | 2.5                    | N/A                               | ND               | PASS   |
| Endosulfan-α*       | 0.004 / 0.014     | 2.5                    | N/A                               | ND               | PASS   |
| Endosulfan-β*       | 0.006 / 0.019     | 2.5                    | N/A                               | ND               | PASS   |
| Ethoprophos         | 0.003 / 0.009     | 0.01                   | N/A                               | ND               | PASS   |
| Etofenprox          | 0.014 / 0.042     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Etoxazole           | 0.007 / 0.020     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Etridiazole*        | 0.002 / 0.005     | 0.15                   | N/A                               | ND               | PASS   |
| Fenhexamid          | 0.003 / 0.008     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Fenoxycarb          | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Fenpyroximate       | 0.007 / 0.020     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Fensulfothion       | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Fenthion            | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Fenvalerate         | 0.033 / 0.099     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Fipronil            | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Flonicamid          | 0.007 / 0.022     | 0.025                  | N/A                               | ND               | PASS   |
| Fludioxonil         | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |

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**Pesticide Analysis** *Continued*

PESTICIDE TEST RESULTS - 07/23/2024 *continued* ✔ PASS

| COMPOUND                 | LOD/LOQ<br>(µg/g) | ACTION LIMIT<br>(µg/g) | MEASUREMENT<br>UNCERTAINTY (µg/g) | RESULT<br>(µg/g) | RESULT |
|--------------------------|-------------------|------------------------|-----------------------------------|------------------|--------|
| Fluopyram                | 0.003 / 0.009     | 0.01                   | N/A                               | ND               | PASS   |
| Hexythiazox              | 0.003 / 0.010     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Imazalil                 | 0.003 / 0.009     | 0.01                   | N/A                               | ND               | PASS   |
| Imidacloprid             | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Iprodione                | 0.077 / 0.233     | 0.5                    | N/A                               | ND               | PASS   |
| Kinoprene                | 0.077 / 0.233     | 1.25                   | N/A                               | ND               | PASS   |
| Kresoxim-methyl          | 0.006 / 0.019     | 0.15                   | N/A                               | ND               | PASS   |
| λ-Cyhalothrin            | 0.068 / 0.206     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Malathion                | 0.003 / 0.009     | 0.01                   | N/A                               | ND               | PASS   |
| Metalaxyl                | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Methiocarb               | 0.003 / 0.008     | 0.01                   | N/A                               | ND               | PASS   |
| Methomyl                 | 0.008 / 0.025     | 0.025                  | N/A                               | ND               | PASS   |
| Methoprene               | 0.172 / 0.521     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Mevinphos                | 0.008 / 0.024     | 0.025                  | N/A                               | ND               | PASS   |
| MGK-264                  | 0.015 / 0.047     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Myclobutanil             | 0.003 / 0.009     | 0.01                   | N/A                               | ND               | PASS   |
| Naled                    | 0.021 / 0.064     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Novaluron                | 0.002 / 0.005     | 0.025                  | N/A                               | ND               | PASS   |
| Oxamyl                   | 0.017 / 0.051     | 1.5                    | N/A                               | ND               | PASS   |
| Paclobutrazol            | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Parathion-methyl         | 0.016 / 0.050     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Pentachloronitrobenzene* | 0.004 / 0.012     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Permethrin               | 0.056 / 0.168     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Phenothrin               | 0.016 / 0.047     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Phosmet                  | 0.007 / 0.020     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Piperonyl Butoxide       | 0.010 / 0.029     | 1.25                   | N/A                               | ND               | PASS   |
| Pirimicarb               | 0.003 / 0.009     | 0.01                   | N/A                               | ND               | PASS   |
| Prallethrin              | 0.015 / 0.046     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Propiconazole            | 0.027 / 0.080     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Propoxur                 | 0.003 / 0.008     | 0.01                   | N/A                               | ND               | PASS   |
| Pyraclostrobin           | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Pyrethrins               | 0.016 / 0.049     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Pyridaben                | 0.005 / 0.017     | 0.02                   | N/A                               | ND               | PASS   |
| Pyriproxyfen             | 0.003 / 0.009     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Resmethrin               | 0.013 / 0.039     | 0.05                   | N/A                               | ND               | PASS   |
| Spinetoram               | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Spinosad                 | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Spirodiclofen            | 0.031 / 0.093     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Spiromesifen             | 0.016 / 0.050     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Spirotetramat            | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Spiroxamine              | 0.020 / 0.062     | ≥ LOQ                  | N/A                               | ND               | PASS   |

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## Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 07/23/2024 *continued* ✔ PASS

| COMPOUND           | LOD/LOQ<br>(µg/g) | ACTION LIMIT<br>(µg/g) | MEASUREMENT<br>UNCERTAINTY (µg/g) | RESULT<br>(µg/g) | RESULT |
|--------------------|-------------------|------------------------|-----------------------------------|------------------|--------|
| Tebuconazole       | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Tebufenozide       | 0.003 / 0.008     | 0.01                   | N/A                               | ND               | PASS   |
| Teflubenzuron      | 0.007 / 0.022     | 0.025                  | N/A                               | ND               | PASS   |
| Tetrachlorvinphos  | 0.003 / 0.008     | 0.01                   | N/A                               | ND               | PASS   |
| Tetramethrin       | 0.021 / 0.063     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Thiabendazole      | 0.006 / 0.020     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Thiacloprid        | 0.003 / 0.009     | 0.01                   | N/A                               | ND               | PASS   |
| Thiamethoxam       | 0.003 / 0.010     | 0.01                   | N/A                               | ND               | PASS   |
| Thiophanate-methyl | 0.013 / 0.040     | ≥ LOQ                  | N/A                               | ND               | PASS   |
| Trifloxystrobin    | 0.003 / 0.009     | 0.01                   | 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 - 07/23/2024 ✔ PASS

| COMPOUND        | LOD/LOQ<br>(µg/kg) | ACTION LIMIT<br>(µg/kg) | MEASUREMENT<br>UNCERTAINTY (µg/kg) | RESULT<br>(µg/kg) | RESULT |
|-----------------|--------------------|-------------------------|------------------------------------|-------------------|--------|
| Aflatoxin B1    | 1.6 / 5.0          | 5                       | N/A                                | ND                | PASS   |
| 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                |        |
| Total Aflatoxin |                    | 20                      |                                    | ND                | PASS   |
| Ochratoxin A    | 1.6 / 5.0          | 5                       | N/A                                | ND                | PASS   |



## 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 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)

*Deviations<sup>1</sup> see last page*

RESIDUAL SOLVENTS TEST RESULTS - 07/20/2024 ✔ PASS

| COMPOUND                            | LOD/LOQ<br>(µg/g) | ACTION LIMIT<br>(µg/g) | MEASUREMENT<br>UNCERTAINTY (µg/g) | RESULT<br>(µg/g) | RESULT |
|-------------------------------------|-------------------|------------------------|-----------------------------------|------------------|--------|
| Propane                             | 0.234 / 0.781     | 1000                   | N/A                               | ND               | PASS   |
| 2-Methylpropane<br>(Isobutane)      | 0.052 / 0.173     |                        | N/A                               | ND               |        |
| n-Butane                            | 0.019 / 0.063     |                        | N/A                               | ND               |        |
| Total Butanes                       |                   | 1000                   |                                   | ND               | PASS   |
| n-Pentane                           | 0.310 / 1.033     | 1000                   | N/A                               | ND               | PASS   |
| n-Hexane                            | 0.110 / 0.366     | 60                     | N/A                               | ND               | PASS   |
| 2,2-Dimethylpentane<br>(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<br>(Triptane) | 0.521 / 1.738     |                        | N/A                               | ND               |        |
| 2-Methylhexane<br>(Isoheptane)      | 0.610 / 2.034     |                        | N/A                               | ND               |        |
| 3-Methylhexane                      | 0.235 / 0.785     |                        | N/A                               | ND               |        |

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 **Residual Solvents Analysis**  
Continued

RESIDUAL SOLVENTS TEST RESULTS - 07/20/2024 continued PASS

| COMPOUND                                  | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|-------------------------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| 3-Ethylpentane                            | 0.304 / 1.012  |                     | N/A                            | ND            |        |
| n-Heptane                                 | 13.12 / 43.72  |                     | N/A                            | ND            |        |
| Total Heptanes                            |                | 1000                |                                | ND            | PASS   |
| Benzene                                   | 0.089 / 0.295  | 2                   | N/A                            | ND            | PASS   |
| Toluene                                   | 0.115 / 0.382  | 180                 | N/A                            | ND            | PASS   |
| 1,3-Dimethylbenzene / 1,4-Dimethylbenzene | 0.451 / 1.502  |                     | N/A                            | ND            |        |
| 1,2-Dimethylbenzene (o-Xylene)            | 0.387 / 1.289  |                     | N/A                            | ND            |        |
| Total Xylenes                             |                | 430                 |                                | ND            | PASS   |
| Methanol                                  | 53.92 / 163.4  | 600                 | N/A                            | ND            | PASS   |
| Ethanol                                   | 8.984 / 27.23  |                     | ±36.671                        | 2350.71       |        |
| 2-Propanol (Isopropyl Alcohol)            | 8.421 / 25.52  | 1000                | N/A                            | ND            | PASS   |
| Acetone                                   | 10.59 / 32.08  | 1000                | N/A                            | ND            | PASS   |
| Ethyl Acetate                             | 1.123 / 3.745  | 1000                | N/A                            | ND            | PASS   |

 **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 - 07/20/2024 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   |
| Cadmium  | 0.02 / 0.05    | 0.5                 | N/A                            | ND            | PASS   |
| Lead     | 0.04 / 0.1     | 0.5                 | N/A                            | ND            | PASS   |
| Mercury  | 0.002 / 0.01   | 1.5                 | N/A                            | ND            | PASS   |

 **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) - 07/22/2024 PASS

| COMPOUND                                      | ACTION LIMIT       | RESULT | RESULT |
|-----------------------------------------------|--------------------|--------|--------|
| Shiga toxin-producing <i>Escherichia coli</i> | Not Detected in 1g | ND     | PASS   |
| <i>Salmonella</i> spp.                        | Not Detected in 1g | ND     | PASS   |

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

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

MICROBIOLOGY TEST RESULTS (PLATING) - 07/22/2024 PASS

| COMPOUND               | ACTION LIMIT (cfu/g) | RESULT (cfu/g) | RESULT |
|------------------------|----------------------|----------------|--------|
| Total Aerobic Bacteria | 10000                | ND             | PASS   |
| Total Yeast and Mold   | 1000                 | ND             | PASS   |
| Coliforms              | 100                  | ND             | PASS   |

NOTES

Reason for Amendment: Order Detail Information Change

1. Deviations: Sample certification