

SAMPLE DETAILS

SAMPLE NAME: R&R 45mg CBD Focus Blend Softgels - Broad Spectrum
 Infused, Colorado Infused

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR

Business Name: R&R CBD
License Number:
Address:

SAMPLE DETAIL

Batch Number: Lot 9400F
Sample ID: 241114L006
Date of Sampling: 11/14/2024
Time of Sampling: 10:39 a.m.
Sampler Name:
Sampler Company:

Date Collected: 11/14/2024
Date Received: 11/14/2024
Batch Size:
Sample Size: 1.0 units
Unit Mass: 2.88 grams per Unit
Serving Size: 0.96 grams per Serving



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: Not Detected

Total CBD: 45.449 mg/unit

Sum of Cannabinoids: 49.499 mg/unit

Total Cannabinoids: 49.473 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 = Δ^9 -THC + (THCa (0.877))
 Total CBD = CBD + (CBDa (0.877))
 Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN
 Total Cannabinoids = (Δ^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) + Δ^8 -THC + CBL + CBN

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 0.0073%

● Guaiol 0.044 mg/g ● α -Bisabolol 0.029 mg/g ● β -Caryophyllene <LOQ

SAFETY ANALYSIS - SUMMARY

Pesticides: ✔ PASS

Mycotoxins: ✔ PASS

Residual Solvents: ✔ PASS

Heavy Metals: ✔ PASS

Microbiology (PCR): ✔ PASS

Microbiology (Plating): ✔ PASS

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: 11/20/2024

Amendment to Certificate of Analysis 241114L006-001




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: **Not Detected**

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: **45.449 mg/unit**

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: **49.473 mg/unit**

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

TOTAL CBG: **0.778 mg/unit**

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: **ND**

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: **1.881 mg/unit**

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: **0.386 mg/unit**

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 11/18/2024

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|----------------------------|----------------|--------------------------------|--------------------|----------------|
| CBD | 0.004 / 0.011 | ±0.5864 | 15.720 | 1.5720 |
| CBC | 0.003 / 0.010 | ±0.0210 | 0.653 | 0.0653 |
| CBN | 0.001 / 0.007 | ±0.0089 | 0.311 | 0.0311 |
| CBG | 0.002 / 0.006 | ±0.0131 | 0.270 | 0.0270 |
| CBDV | 0.002 / 0.012 | ±0.0055 | 0.134 | 0.0134 |
| CBDA | 0.001 / 0.026 | ±0.0020 | 0.070 | 0.0070 |
| CBL | 0.003 / 0.010 | ±0.0011 | 0.029 | 0.0029 |
| Δ^9 -THC | 0.002 / 0.014 | N/A | ND | ND |
| Δ^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 |
| 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 |
| SUM OF CANNABINOIDS | | | 17.187 mg/g | 1.7187% |

Unit Mass: 2.88 grams per Unit / Serving Size: 0.96 grams per Serving

| | |
|---------------------------------|-------------------|
| Δ^9 -THC per Unit | ND |
| Δ^9 -THC per Serving | ND |
| Total THC per Unit | ND |
| Total THC per Serving | ND |
| CBD per Unit | 45.274 mg/unit |
| CBD per Serving | 15.091 mg/serving |
| Total CBD per Unit | 45.449 mg/unit |
| Total CBD per Serving | 15.150 mg/serving |
| Sum of Cannabinoids per Unit | 49.499 mg/unit |
| Sum of Cannabinoids per Serving | 16.500 mg/serving |
| Total Cannabinoids per Unit | 49.473 mg/unit |
| Total Cannabinoids per Serving | 16.491 mg/serving |



Terpenoid Analysis

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

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

1 Guaiol

A sesquiterpene alcohol with a fragrance that can be described as floral, piney, herbal and woody. Found in guaiacum, cypress pine, ginseng, melaleuca, goatweed, incense grass...etc.

2 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.

3 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 CB₂ 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 - 11/18/2024

| COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|-------------------------|----------------|--------------------------------|-------------------|----------------|
| Guaiol | 0.009 / 0.030 | ±0.0016 | 0.044 | 0.0044 |
| α-Bisabolol | 0.008 / 0.026 | ±0.0012 | 0.029 | 0.0029 |
| β-Caryophyllene | 0.004 / 0.012 | N/A | <LOQ | <LOQ |
| Caryophyllene Oxide | 0.010 / 0.033 | N/A | <LOQ | <LOQ |
| 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 |
| Cedrol | 0.008 / 0.027 | N/A | ND | ND |
| Citronellol | 0.003 / 0.036 | N/A | ND | ND |
| Δ 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 |
| 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 | | | 0.073 mg/g | 0.0073% |



Pesticide Analysis

PESTICIDE TEST RESULTS - 11/18/2024 ✔ PASS

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

| 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 |
| 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 |
| cis-Permethrin | | | | 0.00 | |
| 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 |

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 11/18/2024 *continued* ✔ PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|---------------------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| 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 |
| 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 (Quintozene)* | 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 |

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 11/18/2024 *continued* ✔ PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------|----------------|---------------------|--------------------------------|---------------|--------|
| 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 |
| 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 |
| trans-Permethrin | | | | 0.00 | |
| Trifloxystrobin | 0.003 / 0.009 | 0.01 | N/A | ND | PASS |



Mycotoxin Analysis

MYCOTOXIN TEST RESULTS - 11/17/2024 ✔ PASS

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

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

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

RESIDUAL SOLVENTS TEST RESULTS - 11/19/2024 ✔ PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|-------------------------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Propane | 0.234 / 0.781 | 1000 | N/A | ND | PASS |
| 2-Methylpropane (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 (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 | | 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 | 1000 | N/A | <LOQ | PASS |
| 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 - 11/16/2024 ✔ 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 | <LOQ | PASS |
| Cadmium | 0.02 / 0.05 | 0.5 | N/A | ND | PASS |
| Lead | 0.04 / 0.1 | 0.5 | N/A | <LOQ | PASS |
| Mercury | 0.002 / 0.01 | 1.5 | N/A | <LOQ | 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) - 11/18/2024 ✔ PASS

| COMPOUND | ACTION LIMIT | RESULT | RESULT |
|-----------------------------------------------|--------------------|--------|--------|
| <i>Salmonella</i> spp. | Not Detected in 1g | ND | PASS |
| Shiga toxin-producing <i>Escherichia coli</i> | 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) - 11/18/2024 ✔ PASS

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

NOTES

Reason for Amendment: Order Detail Information Change