

## SAMPLE NAME: Tropical Cookies

Concentrate, Product Inhalable

### CULTIVATOR / MANUFACTURER

**Business Name:** lob manufacturing inc.

**License Number:** CDPH-10002733

**Address:** 3440 AIRWAY DR STE D, SANTA ROSA, CA 95403-2065

### DISTRIBUTOR

**Business Name:** ADIRA Distribution, Inc.

**License Number:** C11-0000739-LIC

**Address:** 3440 AIRWAY DR, SUITE c, SANTA ROSA, CA 95403-2065

### SAMPLE DETAIL

**Batch Number:** CS-05262020-TRC-0.5g

**Sample ID:** 200528R001

**Source Metrc UID:** 1A406030000232E000000646

**Date Collected:** 05/28/2020

**Date Received:** 05/28/2020

**Batch Size:** 1777 Unit(s)

**Sample Size:** 36 Unit(s)

**Unit Mass:** 0.5 Grams per Unit

**Serving Size:**



Scan QR code to verify authenticity of results.

**Sampling Method:** QSP - (1265) Sampling of Cannabis and Product Batches

## CANNABINOID ANALYSIS - SUMMARY

**Total Cannabinoids:** 78.555%

**Total THC:** 72.42%

**Total CBD:** 0.358%

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 =  $\Delta^9\text{THC} + (\text{THCa} \cdot 0.877)$

Total CBD =  $\text{CBD} + (\text{CBDa} \cdot 0.877)$

Total Cannabinoids =  $(\Delta^9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{THC} + \text{CBL} + \text{CBN}$

**Moisture:** NT

**Density:** NT

**Viscosity:** NT

## SAFETY ANALYSIS - SUMMARY

**Pesticides:** ✔ PASS

**Mycotoxins:** ✔ PASS

**Residual Solvents:** ✔ PASS

**Heavy Metals:** ✔ PASS

**Microbial Impurities:** ✔ PASS

**Foreign Material:** ✔ PASS

## TERPENOID ANALYSIS - SUMMARY

35 TESTED, TOP 3 HIGHLIGHTED

●  **$\beta$  Caryophyllene 16.28 mg/g**

●  **$\alpha$  Humulene 4.97 mg/g**

● **Limonene 3.93 mg/g**

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 16 Effect Date January 16, 2019. Authority: Section 26013, 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)



LQC verified by: Michael Pham  
Date: 05/30/2020



Approved by: Josh Wurzer, President  
Date: 05/30/2020

## Cannabinoid Analysis

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

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

### TOTAL CANNABINOIDS: 78.555%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ8THC + CBL + CBN

### TOTAL THC: 72.42%

Total THC (Δ9THC+0.877\*THCa)

### TOTAL CBD: 0.358%

Total CBD (CBD+0.877\*CBDa)

### TOTAL CBG: 3.379%

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: 0.57%

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: 1.298%

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: ND

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 05/30/2020

| COMPOUND                   | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)      | RESULT (%)     |
|----------------------------|----------------|--------------------------------|--------------------|----------------|
| Δ9THC                      | 0.06 / 0.18    | ±20.420                        | 593.60             | 59.360         |
| THCa                       | 0.05 / 0.14    | ±3.827                         | 148.92             | 14.892         |
| CBG                        | 0.06 / 0.19    | ±0.868                         | 22.04              | 2.204          |
| CBGa                       | 0.1 / 0.2      | ±0.70                          | 13.4               | 1.34           |
| CBCa                       | 0.07 / 0.21    | ±0.540                         | 11.04              | 1.104          |
| THCV                       | 0.1 / 0.2      | ±0.28                          | 5.7                | 0.57           |
| CBN                        | 0.1 / 0.3      | ±0.35                          | 5.3                | 0.53           |
| CBC                        | 0.2 / 0.5      | ±0.10                          | 3.3                | 0.33           |
| CBDa                       | 0.02 / 0.07    | ±0.071                         | 2.42               | 0.242          |
| CBD                        | 0.07 / 0.20    | ±0.068                         | 1.46               | 0.146          |
| Δ8THC                      | 0.1 / 0.4      | N/A                            | ND                 | ND             |
| THCVa                      | 0.07 / 0.20    | N/A                            | ND                 | ND             |
| CBDV                       | 0.04 / 0.14    | N/A                            | ND                 | ND             |
| CBDVa                      | 0.03 / 0.10    | N/A                            | ND                 | ND             |
| CBL                        | 0.06 / 0.18    | N/A                            | ND                 | ND             |
| <b>SUM OF CANNABINOIDS</b> |                |                                | <b>807.18 mg/g</b> | <b>80.718%</b> |

### MOISTURE TEST RESULT

Not Tested

### DENSITY TEST RESULT

Not Tested

### VISCOSITY TEST RESULT

Not Tested

### Unit Mass: 0.5 Grams per Unit / Serving Size:

|                   |                          |                |      |
|-------------------|--------------------------|----------------|------|
| Δ9THC per Unit    | 1000.0 per-package limit | 296.80 mg/unit | PASS |
| Δ9THC per Serving |                          |                |      |
| CBD per Unit      |                          | 0.73 mg/unit   |      |
| CBD per Serving   |                          |                |      |



## Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID). Terpenes are the aromatic compounds that endow cannabis with their unique scent and effect. Following are the primary terpenes detected.

**Method:** OSP - (1192) Analysis of Terpenoids by GC-FID

### 1 $\beta$ 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<sub>2</sub> receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

### 2 $\alpha$ Humulene

Also known as  $\alpha$ -caryophyllene, it is an isomer of the sesquiterpene  $\beta$ -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.

### 3 Limonene

A monoterpene with a fragrance that can be described as orangey, citrusy, sweet and tart. It is most commonly found in nature as D-Limonene and is a primary contributor to the distinct scent of orange peels, from which it is commonly derived. Found in numerous pines, red maple, silver maple, aspens, cottonwoods, hemlocks, sumac, cedar, junipers...etc.

## TERPENOID TEST RESULTS - 05/30/2020

| COMPOUND                | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g)     | RESULT (%)    |
|-------------------------|----------------|--------------------------------|-------------------|---------------|
| $\beta$ Caryophyllene   | 0.04 / 0.11    | ±0.772                         | 16.28             | 1.628         |
| $\alpha$ Humulene       | 0.03 / 0.08    | ±0.161                         | 4.97              | 0.497         |
| Limonene                | 0.04 / 0.12    | ±0.144                         | 3.93              | 0.393         |
| Myrcene                 | 0.1 / 0.2      | ±0.21                          | 2.6               | 0.26          |
| Linalool                | 0.04 / 0.1     | ±0.08                          | 1.5               | 0.15          |
| $\alpha$ Bisabolol      | 0.1 / 0.2      | ±0.07                          | 1.5               | 0.15          |
| Caryophyllene Oxide     | 0.1 / 0.2      | ±0.08                          | 1.1               | 0.11          |
| $\beta$ Pinene          | 0.1 / 0.2      | ±0.05                          | 0.6               | 0.06          |
| $\alpha$ Pinene         | 0.04 / 0.13    | ±0.036                         | 0.55              | 0.055         |
| Terpineol               | 0.03 / 0.1     | ±0.04                          | 0.4               | 0.04          |
| $\alpha$ Cedrene        | 0.03 / 0.10    | ±0.015                         | 0.36              | 0.036         |
| Valencene               | 0.02 / 0.06    | ±0.007                         | 0.33              | 0.033         |
| Nerolidol               | 0.03 / 0.09    | ±0.022                         | 0.33              | 0.033         |
| Fenchol                 | 0.1 / 0.2      | ±0.02                          | 0.3               | 0.03          |
| Ocimene                 | 0.05 / 0.1     | ±0.01                          | 0.1               | 0.01          |
| Camphene                | 0.1 / 0.2      | N/A                            | <LOQ              | <LOQ          |
| Terpinolene             | 0.04 / 0.1     | N/A                            | <LOQ              | <LOQ          |
| Geraniol                | 0.04 / 0.11    | N/A                            | <LOQ              | <LOQ          |
| Guaiol                  | 0.04 / 0.13    | N/A                            | <LOQ              | <LOQ          |
| Sabinene                | 0.1 / 0.2      | N/A                            | ND                | ND            |
| $\alpha$ Phellandrene   | 0.1 / 0.2      | N/A                            | ND                | ND            |
| 3 Carene                | 0.1 / 0.2      | N/A                            | ND                | ND            |
| $\alpha$ Terpinene      | 0.1 / 0.2      | N/A                            | ND                | ND            |
| Eucalyptol              | 0.1 / 0.2      | N/A                            | ND                | ND            |
| $\gamma$ Terpinene      | 0.1 / 0.2      | N/A                            | ND                | ND            |
| Sabinene Hydrate        | 0.1 / 0.2      | N/A                            | ND                | ND            |
| Fenchone                | 0.1 / 0.2      | N/A                            | ND                | ND            |
| (-)-Isopulegol          | 0.03 / 0.08    | N/A                            | ND                | ND            |
| Camphor                 | 0.1 / 0.3      | N/A                            | ND                | ND            |
| Isoborneol              | 0.1 / 0.2      | N/A                            | ND                | ND            |
| Borneol                 | 0.1 / 0.3      | N/A                            | ND                | ND            |
| Menthol                 | 0.04 / 0.1     | N/A                            | ND                | ND            |
| Nerol                   | 0.05 / 0.1     | N/A                            | ND                | ND            |
| R-(+)-Pulegone          | 0.04 / 0.1     | N/A                            | ND                | ND            |
| Geranyl Acetate         | 0.03 / 0.10    | N/A                            | ND                | ND            |
| Cedrol                  | 0.1 / 0.2      | N/A                            | ND                | ND            |
| <b>TOTAL TERPENOIDS</b> |                |                                | <b>34.85 mg/g</b> | <b>3.485%</b> |



 **Pesticide Analysis**

CATEGORY 1 PESTICIDE TEST RESULTS - 05/30/2020 ✔ PASS

**CATEGORY 1 AND 2 PESTICIDES**

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

| COMPOUND          | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|-------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Aldicarb          | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Carbofuran        | 0.01 / 0.04    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlordane*        | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlorfenapyr*     | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Chlorpyrifos      | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Coumaphos         | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Daminozide        | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| DDVP (Dichlorvos) | 0.02 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |
| Dimethoate        | 0.02 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |
| Ethoprop(hos)     | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Etofenprox        | 0.02 / 0.05    | ≥ LOD               | N/A                            | ND            | PASS   |
| Fenoxycarb        | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Fipronil          | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Imazalil          | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Methiocarb        | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Methyl parathion  | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Mevinphos         | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Paclobutrazol     | 0.02 / 0.05    | ≥ LOD               | N/A                            | ND            | PASS   |
| Propoxur          | 0.02 / 0.06    | ≥ LOD               | N/A                            | ND            | PASS   |
| Spiroxamine       | 0.02 / 0.05    | ≥ LOD               | N/A                            | ND            | PASS   |
| Thiacloprid       | 0.03 / 0.07    | ≥ LOD               | N/A                            | ND            | PASS   |

CATEGORY 2 PESTICIDE TEST RESULTS - 05/30/2020 ✔ PASS

|                     |             |     |     |    |      |
|---------------------|-------------|-----|-----|----|------|
| Abamectin           | 0.03 / 0.10 | 0.1 | N/A | ND | PASS |
| Acephate            | 0.01 / 0.04 | 0.1 | N/A | ND | PASS |
| Acequinocyl         | 0.02 / 0.05 | 0.1 | N/A | ND | PASS |
| Acetamiprid         | 0.02 / 0.05 | 0.1 | N/A | ND | PASS |
| Azoxystrobin        | 0.01 / 0.04 | 0.1 | N/A | ND | PASS |
| Bifenazate          | 0.01 / 0.02 | 0.1 | N/A | ND | PASS |
| Bifenthrin          | 0.01 / 0.02 | 3   | N/A | ND | PASS |
| Boscalid            | 0.02 / 0.06 | 0.1 | N/A | ND | PASS |
| Captan              | 0.2 / 0.5   | 0.7 | N/A | ND | PASS |
| Carbaryl            | 0.01 / 0.02 | 0.5 | N/A | ND | PASS |
| Chlorantraniliprole | 0.01 / 0.03 | 10  | N/A | ND | PASS |

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## Pesticide Analysis *Continued*

### CATEGORY 2 PESTICIDE TEST RESULTS - 05/30/2020 *continued* ✔ PASS

#### CATEGORY 1 AND 2 PESTICIDES

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

| COMPOUND                 | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Clofentezine             | 0.02 / 0.06    | 0.1                 | N/A                            | ND            | PASS   |
| Cyfluthrin               | 0.1 / 0.4      | 2                   | N/A                            | ND            | PASS   |
| Cypermethrin             | 0.1 / 0.3      | 1                   | N/A                            | ND            | PASS   |
| Diazinon                 | 0.01 / 0.04    | 0.1                 | N/A                            | ND            | PASS   |
| Dimethomorph             | 0.01 / 0.03    | 2                   | N/A                            | ND            | PASS   |
| Etoxazole                | 0.010 / 0.028  | 0.1                 | N/A                            | ND            | PASS   |
| Fenhexamid               | 0.02 / 0.1     | 0.1                 | N/A                            | ND            | PASS   |
| Fenpyroximate            | 0.03 / 0.08    | 0.1                 | N/A                            | ND            | PASS   |
| Flonicamid               | 0.01 / 0.04    | 0.1                 | N/A                            | ND            | PASS   |
| Fludioxonil              | 0.03 / 0.08    | 0.1                 | N/A                            | ND            | PASS   |
| Hexythiazox              | 0.01 / 0.04    | 0.1                 | N/A                            | ND            | PASS   |
| Imidacloprid             | 0.01 / 0.04    | 5                   | N/A                            | ND            | PASS   |
| Kresoxim-methyl          | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Malathion                | 0.02 / 0.05    | 0.5                 | N/A                            | ND            | PASS   |
| Metalaxyl                | 0.02 / 0.06    | 2                   | N/A                            | ND            | PASS   |
| Methomyl                 | 0.03 / 0.1     | 1                   | N/A                            | ND            | PASS   |
| Myclobutanil             | 0.03 / 0.1     | 0.1                 | N/A                            | ND            | PASS   |
| Naled                    | 0.03 / 0.1     | 0.1                 | N/A                            | ND            | PASS   |
| Oxamyl                   | 0.02 / 0.06    | 0.5                 | N/A                            | ND            | PASS   |
| Pentachloronitrobenzene* | 0.03 / 0.09    | 0.1                 | N/A                            | ND            | PASS   |
| Permethrin               | 0.03 / 0.09    | 0.5                 | N/A                            | ND            | PASS   |
| Phosmet                  | 0.03 / 0.10    | 0.1                 | N/A                            | ND            | PASS   |
| Piperonylbutoxide        | 0.003 / 0.009  | 3                   | ±0.0004                        | 0.010         | PASS   |
| Prallethrin              | 0.03 / 0.08    | 0.1                 | N/A                            | ND            | PASS   |
| Propiconazole            | 0.01 / 0.03    | 0.1                 | N/A                            | ND            | PASS   |
| Pyrethrins               | 0.03 / 0.08    | 0.5                 | N/A                            | ND            | PASS   |
| Pyridaben                | 0.006 / 0.019  | 0.1                 | N/A                            | ND            | PASS   |
| Spinetoram               | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Spinosad                 | 0.02 / 0.06    | 0.1                 | N/A                            | ND            | PASS   |
| Spiromesifen             | 0.02 / 0.05    | 0.1                 | N/A                            | ND            | PASS   |
| Spirotetramat            | 0.01 / 0.02    | 0.1                 | N/A                            | ND            | PASS   |
| Tebuconazole             | 0.02 / 0.07    | 0.1                 | N/A                            | ND            | PASS   |
| Thiamethoxam             | 0.03 / 0.08    | 5                   | N/A                            | ND            | PASS   |
| Trifloxystrobin          | 0.01 / 0.03    | 0.1                 | N/A                            | ND            | PASS   |





### Mycotoxin Analysis

MYCOTOXIN TEST RESULTS - 05/30/2020 ✔ 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    | 2.0 / 6.0       | 20                   | N/A                             | ND             | PASS   |
| Aflatoxin B2    | 1.8 / 5.6       | 20                   | N/A                             | ND             | PASS   |
| Aflatoxin G1    | 1.0 / 3.1       | 20                   | N/A                             | ND             | PASS   |
| Aflatoxin G2    | 1.2 / 3.5       | 20                   | N/A                             | ND             | PASS   |
| Total Aflatoxin |                 | 20                   |                                 | ND             | PASS   |
| Ochratoxin A    | 6.3 / 19.2      | 20                   | N/A                             | ND             | PASS   |



### Residual Solvents Analysis

CATEGORY 1 RESIDUAL SOLVENTS TEST RESULTS - 05/30/2020 ✔ PASS

#### CATEGORY 1 AND 2 RESIDUAL SOLVENTS

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

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

| COMPOUND           | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------|----------------|---------------------|--------------------------------|---------------|--------|
| 1,2-Dichloroethane | 0.05 / 0.1     | 1                   | N/A                            | ND            | PASS   |
| Benzene            | 0.03 / 0.09    | 1                   | N/A                            | ND            | PASS   |
| Chloroform         | 0.1 / 0.2      | 1                   | N/A                            | ND            | PASS   |
| Ethylene Oxide     | 0.1 / 0.4      | 1                   | N/A                            | <LOQ          | PASS   |
| Methylene chloride | 0.3 / 0.9      | 1                   | N/A                            | ND            | PASS   |
| Trichloroethylene  | 0.1 / 0.3      | 1                   | N/A                            | ND            | PASS   |

CATEGORY 2 RESIDUAL SOLVENTS TEST RESULTS - 05/30/2020 ✔ PASS

|                   |          |      |       |      |      |
|-------------------|----------|------|-------|------|------|
| Acetone           | 20 / 50  | 5000 | N/A   | <LOQ | PASS |
| Acetonitrile      | 2 / 7    | 410  | N/A   | ND   | PASS |
| Butane            | 10 / 50  | 5000 | ±38.3 | 622  | PASS |
| Ethanol           | 20 / 50  | 5000 | ±1.6  | 51   | PASS |
| Ethyl acetate     | 20 / 60  | 5000 | N/A   | ND   | PASS |
| Ethyl ether       | 20 / 50  | 5000 | N/A   | ND   | PASS |
| Heptane           | 20 / 60  | 5000 | N/A   | ND   | PASS |
| Hexane            | 2 / 5    | 290  | N/A   | ND   | PASS |
| Isopropyl Alcohol | 10 / 40  | 5000 | N/A   | <LOQ | PASS |
| Methanol          | 50 / 200 | 3000 | N/A   | ND   | PASS |
| Pentane           | 20 / 50  | 5000 | N/A   | <LOQ | PASS |
| Propane           | 10 / 20  | 5000 | ±5.3  | 73   | PASS |
| Toluene           | 7 / 21   | 890  | N/A   | ND   | PASS |
| Total Xylenes     | 50 / 160 | 2170 | 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 - 05/29/2020 ✔ PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|----------|----------------|---------------------|--------------------------------|---------------|--------|
| Cadmium  | 0.02 / 0.05    | 0.2                 | N/A                            | ND            | PASS   |
| Lead     | 0.04 / 0.1     | 0.5                 | N/A                            | ND            | PASS   |
| Arsenic  | 0.02 / 0.1     | 0.2                 | N/A                            | ND            | PASS   |
| Mercury  | 0.002 / 0.01   | 0.1                 | N/A                            | ND            | PASS   |

### Microbial Impurities Analysis

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbial impurities.

**Method:** QSP - (1221) Analysis of Microbial Impurities

#### MICROBIAL IMPURITIES TEST RESULTS - 05/30/2020 ✔ PASS

| COMPOUND                                      | ACTION LIMIT | RESULT | RESULT |
|---|--------------|--------|--------|
| Shiga toxin-producing <i>Escherichia coli</i> | Detect       | ND     | PASS   |
| <i>Salmonella</i> spp.                        | Detect       | ND     | PASS   |
| <i>Aspergillus fumigatus</i>                  | Detect       | ND     | PASS   |
| <i>Aspergillus flavus</i>                     | Detect       | ND     | PASS   |
| <i>Aspergillus niger</i>                      | Detect       | ND     | PASS   |
| <i>Aspergillus terreus</i>                    | Detect       | ND     | PASS   |

### Foreign Material Analysis

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

**Method:** QSP - (1227) Analysis of Foreign Material in Cannabis and Cannabis Products

#### FOREIGN MATERIAL TEST RESULTS - 05/29/2020 ✔ PASS

| COMPOUND  | ACTION LIMIT    | RESULT |
|---|-----------------|--------|
| Total Sample Area Covered by Sand, Soil, Cinders, or Dirt | >25%            | PASS   |
| Total Sample Area Covered by Mold                         | >25%            | PASS   |
| Total Sample Area Covered by an Imbedded Foreign Material | >25%            | PASS   |
| Insect Fragment Count                                     | > 1 per 3 grams | PASS   |
| Hair Count  | > 1 per 3 grams | PASS   |
| Mammalian Excreta Count                                   | > 1 per 3 grams | PASS   |

