

**SAMPLE DETAILS**
**SAMPLE NAME:** Lake Life Blue Raspberry 5mg 11/05/2024

Infused, Solid Edible

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** Superior Molecular

**License Number:**
**Address:**
**SAMPLE DETAIL**
**Batch Number:** GUM2.110524

**Sample ID:** 241108M014

**Date Collected:** 11/08/2024

**Date Received:** 11/08/2024

**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:** 1.186 mg/g

**Total CBD:** <LOQ

**Sum of Cannabinoids:** 1.247 mg/g

**Total Cannabinoids:** 1.247 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 =  $\Delta^9\text{-THC} + (\text{THCa} \times 0.877)$ 

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

Sum of Cannabinoids =  $\Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} +$ 
 $\text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$ 

Total Cannabinoids =  $(\Delta^9\text{-THC} + 0.877 \times \text{THCa}) + (\text{CBD} + 0.877 \times \text{CBDa}) +$ 
 $(\text{CBG} + 0.877 \times \text{CBGa}) + (\text{THCV} + 0.877 \times \text{THCVa}) + (\text{CBC} + 0.877 \times \text{CBCa}) +$ 
 $(\text{CBDV} + 0.877 \times \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$ 
**SAFETY ANALYSIS - SUMMARY**
 $\Delta^9\text{-THC}$  per Serving: ✔ PASS

Pesticides: ✔ PASS

Residual Solvents: ✔ PASS

Heavy Metals: ✔ PASS

Microbiology (PCR): ✔ PASS

Microbiology (Plating): ND

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

*Samantha LeBeau*  
LQC verified by: Samantha LeBeau  
Job Title: Laboratory Assistant  
Date: 11/12/2024

*Josh Wurzer*  
Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 11/12/2024



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: 1.186 mg/g

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

TOTAL CBD: <LOQ

Total CBD (CBD+0.877\*CBDA)

TOTAL CANNABINOIDS: 1.247 mg/g

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

TOTAL CBG: 0.050 mg/g

Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: <LOQ

Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877\*CBDVa)

CANNABINOID TEST RESULTS - 11/08/2024

| COMPOUND            | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---------------------|----------------|--------------------------------|---------------|------------|
| $\Delta^9$ -THC     | 0.002 / 0.014  | $\pm 0.0651$                   | 1.186         | 0.1186     |
| CBG                 | 0.002 / 0.006  | $\pm 0.0024$                   | 0.050         | 0.0050     |
| CBN                 | 0.001 / 0.007  | $\pm 0.0003$                   | 0.011         | 0.0011     |
| CBD                 | 0.004 / 0.011  | N/A                            | <LOQ          | <LOQ       |
| CBC                 | 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         |
| CBDV                | 0.002 / 0.012  | N/A                            | ND            | ND         |
| CBDVa               | 0.001 / 0.018  | N/A                            | ND            | ND         |
| CBGa                | 0.002 / 0.007  | N/A                            | ND            | ND         |
| CBL                 | 0.003 / 0.010  | N/A                            | ND            | ND         |
| CBCa                | 0.001 / 0.015  | N/A                            | ND            | ND         |
| SUM OF CANNABINOIDS |                |                                | 1.247 mg/g    | 0.1247%    |

Serving Size: 4 grams per Serving

|                                 |                  |      |
|---------------------------------|------------------|------|
| $\Delta^9$ -THC per Serving     | 4.744 mg/serving | PASS |
| Total THC per Serving           | 4.744 mg/serving |      |
| CBD per Serving                 | <LOQ             |      |
| Total CBD per Serving           | <LOQ             |      |
| Sum of Cannabinoids per Serving | 4.988 mg/serving |      |
| Total Cannabinoids per Serving  | 4.988 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 - 11/11/2024 ✓ PASS

| COMPOUND     | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------|----------------|---------------------|--------------------------------|---------------|--------|
| Abamectin    | 0.03 / 0.10    | 0.3                 | N/A                            | ND            | PASS   |
| Acephate     | 0.02 / 0.07    | 5                   | N/A                            | ND            | PASS   |
| Acequinocyl  | 0.02 / 0.07    | 4                   | N/A                            | ND            | PASS   |
| Acetamiprid  | 0.02 / 0.05    | 5                   | N/A                            | ND            | PASS   |
| Aldicarb     | 0.03 / 0.08    | $\geq LOD$          | N/A                            | ND            | PASS   |
| Azoxystrobin | 0.02 / 0.07    | 40                  | N/A                            | ND            | PASS   |
| Bifenazate   | 0.01 / 0.04    | 5                   | N/A                            | ND            | PASS   |
| Bifenthrin   | 0.02 / 0.05    | 0.5                 | N/A                            | ND            | PASS   |
| Boscalid     | 0.03 / 0.09    | 10                  | N/A                            | ND            | PASS   |
| Captan       | 0.19 / 0.57    | 5                   | N/A                            | ND            | PASS   |
| Carbaryl     | 0.02 / 0.06    | 0.5                 | N/A                            | ND            | PASS   |

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**Pesticide Analysis** *Continued*

PESTICIDE TEST RESULTS - 11/11/2024 *continued* ✓ PASS

| COMPOUND                                   | LOD/LOQ<br>(µg/g) | ACTION LIMIT<br>(µg/g) | MEASUREMENT<br>UNCERTAINTY (µg/g) | RESULT<br>(µg/g) | RESULT |
|--------------------------------------------|-------------------|------------------------|-----------------------------------|------------------|--------|
| Carbofuran                                 | 0.02 / 0.05       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Chlorantraniliprole                        | 0.04 / 0.12       | 40                     | 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   |
| Clofentezine                               | 0.03 / 0.09       | 0.5                    | N/A                               | ND               | PASS   |
| Coumaphos                                  | 0.02 / 0.07       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Cyfluthrin                                 | 0.12 / 0.38       | 1                      | N/A                               | ND               | PASS   |
| Cypermethrin                               | 0.11 / 0.32       | 1                      | N/A                               | ND               | PASS   |
| Daminozide                                 | 0.02 / 0.07       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Diazinon                                   | 0.02 / 0.05       | 0.2                    | N/A                               | ND               | PASS   |
| Dichlorvos (DDVP)                          | 0.03 / 0.09       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Dimethoate                                 | 0.03 / 0.08       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Dimethomorph                               | 0.03 / 0.09       | 20                     | N/A                               | ND               | PASS   |
| Ethoprophos                                | 0.03 / 0.10       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Etofenprox                                 | 0.02 / 0.06       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Etoxazole                                  | 0.02 / 0.06       | 1.5                    | N/A                               | ND               | PASS   |
| Fenhexamid                                 | 0.03 / 0.09       | 10                     | N/A                               | ND               | PASS   |
| Fenoxycarb                                 | 0.03 / 0.08       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Fenpyroximate                              | 0.02 / 0.06       | 2                      | N/A                               | ND               | PASS   |
| Fipronil                                   | 0.03 / 0.08       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Flonicamid                                 | 0.03 / 0.10       | 2                      | N/A                               | ND               | PASS   |
| Fludioxonil                                | 0.03 / 0.10       | 30                     | N/A                               | ND               | PASS   |
| Hexythiazox                                | 0.02 / 0.07       | 2                      | N/A                               | ND               | PASS   |
| Imazalil                                   | 0.02 / 0.06       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Imidacloprid                               | 0.04 / 0.11       | 3                      | N/A                               | ND               | PASS   |
| Kresoxim-methyl                            | 0.02 / 0.07       | 1                      | N/A                               | ND               | PASS   |
| Malathion                                  | 0.03 / 0.09       | 5                      | N/A                               | ND               | PASS   |
| Metalaxyl                                  | 0.02 / 0.07       | 15                     | N/A                               | ND               | PASS   |
| Methiocarb                                 | 0.02 / 0.07       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Methomyl                                   | 0.03 / 0.10       | 0.1                    | N/A                               | ND               | PASS   |
| Mevinphos                                  | 0.03 / 0.09       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Myclobutanil                               | 0.03 / 0.09       | 9                      | N/A                               | ND               | PASS   |
| Naled                                      | 0.02 / 0.07       | 0.5                    | N/A                               | ND               | PASS   |
| Oxamyl                                     | 0.04 / 0.11       | 0.2                    | N/A                               | ND               | PASS   |
| Paclobutrazol                              | 0.02 / 0.05       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Parathion-methyl                           | 0.03 / 0.10       | ≥ LOD                  | N/A                               | ND               | PASS   |
| Pentachloronitro-<br>benzene (Quintozene)* | 0.03 / 0.09       | 0.2                    | N/A                               | ND               | PASS   |
| Permethrin                                 | 0.04 / 0.12       | 20                     | N/A                               | ND               | PASS   |
| Phosmet                                    | 0.03 / 0.10       | 0.2                    | N/A                               | ND               | PASS   |
| Piperonyl Butoxide                         | 0.02 / 0.07       | 8                      | N/A                               | ND               | PASS   |

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Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 11/11/2024 *continued* ✓ PASS

| COMPOUND        | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|-----------------|----------------|---------------------|--------------------------------|---------------|--------|
| Prallethrin     | 0.03 / 0.08    | 0.4                 | N/A                            | ND            | PASS   |
| Propiconazole   | 0.02 / 0.07    | 20                  | N/A                            | ND            | PASS   |
| Propoxur        | 0.03 / 0.09    | ≥ LOD               | N/A                            | ND            | PASS   |
| Pyrethrins      | 0.04 / 0.12    | 1                   | N/A                            | ND            | PASS   |
| Pyridaben       | 0.02 / 0.07    | 3                   | N/A                            | ND            | PASS   |
| Spinetoram      | 0.02 / 0.07    | 3                   | N/A                            | ND            | PASS   |
| Spinosad        | 0.02 / 0.07    | 3                   | N/A                            | ND            | PASS   |
| Spiromesifen    | 0.02 / 0.05    | 12                  | N/A                            | ND            | PASS   |
| Spirotetramat   | 0.02 / 0.06    | 13                  | N/A                            | ND            | PASS   |
| Spiroxamine     | 0.03 / 0.08    | ≥ LOD               | N/A                            | ND            | PASS   |
| Tebuconazole    | 0.02 / 0.07    | 2                   | N/A                            | ND            | PASS   |
| Thiacloprid     | 0.03 / 0.10    | ≥ LOD               | N/A                            | ND            | PASS   |
| Thiamethoxam    | 0.03 / 0.10    | 4.5                 | N/A                            | ND            | PASS   |
| Trifloxystrobin | 0.03 / 0.08    | 30                  | N/A                            | ND            | PASS   |



Residual Solvents Analysis

RESIDUAL SOLVENTS TEST RESULTS - 11/10/2024 ✓ PASS

| COMPOUND                             | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------------------|----------------|---------------------|--------------------------------|---------------|--------|
| Propane                              | 10 / 20        | 5000                | N/A                            | ND            | PASS   |
| n-Butane                             | 10 / 50        | 5000                | N/A                            | ND            | PASS   |
| n-Pentane                            | 20 / 50        | 5000                | N/A                            | ND            | PASS   |
| n-Hexane                             | 2 / 5          | 290                 | N/A                            | ND            | PASS   |
| n-Heptane                            | 20 / 60        | 5000                | N/A                            | ND            | PASS   |
| Benzene                              | 0.03 / 0.09    | 1                   | N/A                            | ND            | PASS   |
| Toluene                              | 7 / 21         | 890                 | N/A                            | ND            | PASS   |
| Total Xylenes                        | 50 / 160       | 2170                | N/A                            | ND            | PASS   |
| Methanol                             | 50 / 200       | 3000                | N/A                            | ND            | PASS   |
| Ethanol                              | 20 / 50        | 5000                | ±4.9                           | 170           | PASS   |
| 2-Propanol (Isopropyl Alcohol)       | 10 / 40        | 5000                | N/A                            | ND            | PASS   |
| Acetone                              | 20 / 50        | 5000                | N/A                            | ND            | PASS   |
| Ethyl Ether                          | 20 / 50        | 5000                | N/A                            | ND            | PASS   |
| Ethylene Oxide                       | 0.3 / 0.8      | 1                   | N/A                            | ND            | PASS   |
| Ethyl Acetate                        | 20 / 60        | 5000                | N/A                            | <LOQ          | PASS   |
| Chloroform                           | 0.1 / 0.2      | 1                   | N/A                            | ND            | PASS   |
| Dichloromethane (Methylene Chloride) | 0.3 / 0.9      | 1                   | N/A                            | ND            | PASS   |
| Trichloroethylene                    | 0.1 / 0.3      | 1                   | N/A                            | ND            | PASS   |
| 1,2-Dichloroethane                   | 0.05 / 0.1     | 1                   | N/A                            | ND            | PASS   |
| Acetonitrile                         | 2 / 7          | 410                 | N/A                            | ND            | PASS   |

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

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



### 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 - 11/09/2024  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   | 3                   | 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) - 11/12/2024  PASS

| COMPOUND                               | ACTION LIMIT       | RESULT | RESULT |
|----------------------------------------|--------------------|--------|--------|
| Salmonella spp.                        | Not Detected in 1g | ND     | PASS   |
| Shiga toxin-producing Escherichia coli | 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) - 11/12/2024 ND

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