

DATE ISSUED 02/11/2025

#### SAMPLE DETAILS

SAMPLE NAME: Lights Out 3mg D9 Gummy Infused, Solid Edible

### CULTIVATOR / MANUFACTURER

Business Name: License Number: Address:

#### SAMPLE DETAIL

Batch Number: 91596 Sample ID: 240921M001

# DISTRIBUTOR / TESTED FOR

Business Name: cbdMD License Number: Address:

Address:

Date Collected: 09/21/2024 Date Received: 09/21/2024 Batch Size: Sample Size: 1.0 units Unit Mass: 3.5 grams per Unit Serving Size: 3.5 grams per Serving





Scan QR code to verify authenticity of results.

#### CANNABINOID ANALYSIS - SUMMARY

Total THC: **4.253 mg/unit** Total CBD: **53.743 mg/unit** Sum of Cannabinoids: 79.118 mg/unit Total Cannabinoids: 79.118 mg/unit Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step: Total THC =  $\Delta^{2}$ -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\*CBCA) +  $\Delta^{8}$ -THC + CBL + CBN

#### SAFETY ANALYSIS - SUMMARY

 $\Delta^9$ -THC per Unit:  $\bigcirc$  PASS Residual Solvents:  $\bigcirc$  PASS  $\Delta^9$ -THC per Serving:  $\bigcirc$  PASS

Heavy Metals: **PASS** 

Pesticides: **PASS** 

Mycotoxins: OPASS

Foreign Material: **PASS** 

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

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

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), μg/g = ppm, μg/kg = ppb

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Approved by: Josh Wurzer Job Title: Chief Compliance Officer Date: 02/11/2025

Amendment to Certificate of Analysis 240921M001-004

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Cannabinoid Analysis

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

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

TOTAL THC: 4.253 mg/unit

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

#### TOTAL CBD: 53.743 mg/unit

Total CBD (CBD+0.877\*CBDa)

#### TOTAL CANNABINOIDS: 79.118 mg/unit

 $\begin{array}{l} \mbox{Total Cannabinoids} (\mbox{Total THC}) + (\mbox{Total CBD}) + (\mbox{Total CBG}) + (\mbox{Total THCV}) + (\mbox{Total CBC}) + (\mbox{Total CBDV}) + (\mbox{Total CBDV}) + (\mbox{A}^8 \mbox{-THC} + \mbox{CBL} + \mbox{CBN}) \\ \end{array}$ 

# TOTAL CBG: 0.910 mg/unit

Total CBG (CBG+0.877\*CBGa)

#### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

#### TOTAL CBC: ND

Total CBC (CBC+0.877\*CBCa)

## TOTAL CBDV: 0.231 mg/unit

Total CBDV (CBDV+0.877\*CBDVa)

#### CANNABINOID TEST RESULTS - 09/21/2024

| COMPOUND            | LOD/LOQ<br>(mg/g) | MEASUREMENT<br>UNCERTAINTY (mg/g) | RESULT<br>(mg/g) | RESULT<br>(%) |
|---------------------|-------------------|-----------------------------------|------------------|---------------|
| CBD                 | 0.004 / 0.011     | ±0.5727                           | 15.355           | 1.5355        |
| CBN                 | 0.001/0.007       | ±0.1638                           | 5.709            | 0.5709        |
| ∆ <sup>9</sup> -THC | 0.002/0.014       | ±0.0667                           | 1.215            | 0.1215        |
| CBG                 | 0.002/0.006       | ±0.0126                           | 0.260            | 0.0260        |
| CBDV                | 0.002/0.012       | ±0.0027                           | 0.066            | 0.0066        |
| $\Delta^8$ -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            |
| CBL                 | 0.003/0.010       | N/A                               | ND               | ND            |
| CBC                 | 0.003/0.010       | N/A                               | ND               | ND            |
| CBCa                | 0.001/0.015       | N/A                               | ND               | ND            |
| SUM OF CANNA        | BINOIDS           |                                   | 22.605 mg/g      | 2.2605%       |

#### Unit Mass: 3.5 grams per Unit / Serving Size: 3.5 grams per Serving

| $\Delta^9$ -THC per Unit        | 110 per-package limit | 4.253 mg/unit PASS    |  |
|---------------------------------|-----------------------|-----------------------|--|
| $\Delta^9$ -THC per Serving     |                       | 4.253 mg/serving PASS |  |
| Total THC per Unit              |                       | 4.253 mg/unit         |  |
| Total THC per Serving           |                       | 4.253 mg/serving      |  |
| CBD per Unit                    | 53.743 mg/unit        |                       |  |
| CBD per Serving                 | 53.743 mg/serving     |                       |  |
| Total CBD per Unit              | 53.743 mg/unit        |                       |  |
| Total CBD per Serving           | 53.743 mg/serving     |                       |  |
| Sum of Cannabinoids per Unit    | 79.118 mg/unit        |                       |  |
| Sum of Cannabinoids per Serving | 79.118 mg/serving     |                       |  |
| Total Cannabinoids per Unit     | 79.118 mg/unit        |                       |  |
| Total Cannabinoids per Serving  |                       | 79.118 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 - 10/02/2024 🔗 PASS

| COMPOUND            | LOD/LOQ<br>(µg/g) | ACTION LIMIT<br>(µg/g) | MEASUREMENT<br>UNCERTAINTY (μg/g) | RESULT<br>(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         | ≥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   |
| 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         | _<br>≥ 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           | 0.02 / 0.07       | 5                      | <br>                              | ND               | PASS   |
| Metalaxyl           | 0.03/0.09         | 15                     | N/A<br>N/A                        | ND               | PASS   |
|                     |                   |                        |                                   |                  |        |
| Methiocarb          | 0.02/0.07         | ≥LOD                   | N/A                               | ND               | PASS   |

Continued on next page

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DATE ISSUED 02/11/2025

Pesticide Analysis Continued

#### PESTICIDE TEST RESULTS - 10/02/2024 continued 🔗 PASS

| COMPOUND                                   | LOD/LOQ<br>(µg/g)         | ACTION LIMIT<br>(µg/g) | MEASUREMENT<br>UNCERTAINTY (μg/g) | RESULT<br>(µg/g) | RESULT |
|--|---------------------------|------------------------|-----------------------------------|------------------|--------|
| 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   |
| 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 <mark>/0.10</mark>   | 4.5                    | N/A                               | ND               | PASS   |
| Trifloxystrobin                            | 0.0 <mark>3 / 0.08</mark> | 30                     | N/A                               | ND               | PASS   |

# ູ້ϔ Mycotoxin Analysis

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

 $\ensuremath{\textbf{Method:}}\xspace$  QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

### MYCOTOXIN TEST RESULTS - 10/02/2024 O PASS

| COMPOUND        | LOD/LOQ<br>(µg/kg)     | ACTION LIMIT<br>(µg/kg) | MEASUREMENT<br>UNCERTAINTY (µg/kg) | RESULT<br>(µg/kg) | RESULT |
|-----------------|------------------------|-------------------------|------------------------------------|-------------------|--------|
| Aflatoxin B1    | 2.0/6.0                |                         | N/A                                | ND                |        |
| Aflatoxin B2    | 1.8/5.6                |                         | N/A                                | ND                |        |
| Aflatoxin G1    | 1.0/3.1                |                         | N/A                                | ND                |        |
| Aflatoxin G2    | 1.2 / 3.5              |                         | N/A                                | ND                |        |
| Ochratoxin A    | 6.3 <mark>/19.2</mark> | 20                      | N/A                                | ND                | PASS   |
| Total Aflatoxin |                        | 20                      |                                    | ND                | PASS   |

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

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



| COMPOUND                                | LOD/LOQ<br>(µg/g) | ACTION LIMIT<br>(µg/g) | MEASUREMENT<br>UNCERTAINTY (μg/g) | RESULT<br>(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                   | N/A                               | ND               | PASS   |
| 2-Propanol<br>(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                               | ND               | PASS   |
| Chloroform                              | 0.1/0.2           | 1                      | N/A                               | ND               | PASS   |
| Dichloromethane<br>(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   |

#### HEAVY METALS TEST RESULTS - 09/26/2024 O PASS

| COMPOUND | LOD/LOQ<br>(µg/g)          | ACTION LIMIT<br>(µg/g) | MEASUREMENT<br>UNCERTAINTY (µg/g) | RESULT<br>(µg/g) | RESULT |
|----------|----------------------------|------------------------|-----------------------------------|------------------|--------|
| Arsenic  | 0.02 / <mark>0.1</mark>    | 1.5                    | N/A                               | ND               | PASS   |
| Cadmium  | 0.02 / <mark>0.05</mark>   | 0.5                    | N/A                               | ND               | PASS   |
| Lead     | 0.0 <mark>4 / 0.1</mark>   | 0.5                    | N/A                               | ND               | PASS   |
| Mercury  | 0.00 <mark>2 / 0.01</mark> | 3                      | N/A                               | ND               | PASS   |

#### FOREIGN MATERIAL TEST RESULTS - 09/28/2024 O PASS

| COMPOUND   | ACTION LIMIT    | RESULT | RESULT |
|--|-----------------|--------|--------|
| Hair Count   | > 1 per 3 grams | 0.0    | PASS   |
| Insect Fragment Count  | > 1 per 3 grams | 0.0    | PASS   |
| Mammalian Excreta Count                                      | > 1 per 3 grams | 0.0    | PASS   |
| Total Sample Area Covered by<br>an Imbedded Foreign Material | >25%            | None   | PASS   |
| Total Sample Area Covered by Mold                            | >25%            | None   | PASS   |

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# **Heavy Metals Analysis**

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

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

# Foreign Material Analysis

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

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



DATE ISSUED 02/11/2025



# Foreign Material Analysis Continued

## FOREIGN MATERIAL TEST RESULTS - 09/28/2024 continued OPASS

| COMPOUND   | ACTION LIMIT | RESULT | RESULT |
|--|--------------|--------|--------|
| Total Sample Area Covered by<br>Sand, Soil, Cinders, or Dirt | >25%         | None   | PASS   |

#### NOTES

Reason for Amendment: Order Detail Information Change - Sample Name



DATE ISSUED 02/11/2025

#### SAMPLE DETAILS

SAMPLE NAME: Lights Out 3mg D9 Gummy Infused, Solid Edible

## CULTIVATOR / MANUFACTURER

Business Name: License Number: Address:

#### SAMPLE DETAIL

Batch Number: 91596 Sample ID: 241002N012

# DISTRIBUTOR / TESTED FOR

Business Name: cbdMD License Number: Address:

Date Collected: 10/02/2024 Date Received: 10/02/2024 Batch Size: Sample Size: 1.0 units Unit Mass: Serving Size:





Scan QR code to verify authenticity of results.

#### SAFETY ANALYSIS - SUMMARY

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),  $\mu g/g = ppm$ ,  $\mu g/kg = ppb$ , too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

Approved by: Josh Wurzer Job Title: Chief Compliance Officer Date: 02/11/2025

Amendment to Certificate of Analysis 241002N012-001

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# 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

# Analysis conducted by 3M<sup>™</sup> Petrifilm<sup>™</sup> and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M<sup>™</sup> Petrifilm<sup>™</sup>

## MICROBIOLOGY TEST RESULTS (PCR) - 10/07/2024 O PASS

| COMPOUND                               | ACTION LIMIT       | RESULT | RESULT |
|--|--------------------|--------|--------|
| Listeria monocytogenes                 |                    | ND     |        |
| Salmonella spp.                        | Not Detected in 1g | ND     | PASS   |
| Shiga toxin-producing Escherichia coli | Not Detected in 1g | ND     | PASS   |

#### MICROBIOLOGY TEST RESULTS (PLATING) - 10/07/2024 ND

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

#### NOTES

Reason for Amendment: Order Detail Information Change - Sample Name