# KCA Laboratories

**KCA Laboratories**
232 North Plaza Drive
Nicholasville, KY 40356

+1-833-KCA-LABS
https://kcalabs.com
KDA Lic.# P_0058

**Certificate of Analysis**

## NY.HGM.ZZZ.03

Sample ID: SA-250211-56997
Batch: NY.HGM.ZZZ.03
Type: Finished Product - Ingestible
Matrix: Edible - Gummy
Unit Mass (g): 3.39262

Received: 02/11/2025
Completed: 02/18/2025

**Client**
GTI - Core Growth
85 John Hicks Drive
Warwick, NY 10990
USA

## Summary

| Test | Date Tested | Status |
|---|---|---|
| Cannabinoids | 02/13/2025 | Tested |
| Foreign Matter | 02/11/2025 | Tested |
| Heavy Metals | 02/13/2025 | Tested |
| Microbials | 02/18/2025 | Tested |
| Mycotoxins | 02/13/2025 | Tested |
| Pesticides | 02/13/2025 | Tested |
| Residual Solvents | 02/13/2025 | Tested |
| Terpenes | 02/18/2025 | Tested |

| **0.258 %** | **0.258 %** | **0.329 %** | **Not Tested** | **Not Detected** | **Yes** |
|---|---|---|---|---|---|
| Total Δ9-THC | Δ9-THC | Total Cannabinoids | Moisture Content | Foreign Matter | Internal Standard Normalization |

## Cannabinoids by HPLC-PDA

| Analyte | LOD (%) | LOQ (%) | Result (%) | Result (mg/unit) |
|---|---|---|---|---|
| CBC | 0.00095 | 0.00284 | <LOQ | <LOQ |
| CBCA | 0.00181 | 0.00543 | ND | ND |
| CBCV | 0.0006 | 0.0018 | ND | ND |
| CBD | 0.00081 | 0.00242 | ND | ND |
| CBDA | 0.00043 | 0.0013 | ND | ND |
| CBDV | 0.00061 | 0.00182 | ND | ND |
| CBDVA | 0.00021 | 0.00063 | ND | ND |
| CBG | 0.00057 | 0.00172 | 0.00457 | 0.155 |
| CBGA | 0.00049 | 0.00147 | ND | ND |
| CBL | 0.00112 | 0.00335 | ND | ND |
| CBLA | 0.00124 | 0.00371 | ND | ND |
| CBN | 0.00056 | 0.00169 | 0.0658 | 2.23 |
| CBNA | 0.0006 | 0.00181 | ND | ND |
| CBT | 0.0018 | 0.0054 | ND | ND |
| Δ8-THC | 0.00104 | 0.00312 | ND | ND |
| Δ9-THC | 0.00076 | 0.00227 | 0.258 | 8.77 |
| Δ9-THCA | 0.00084 | 0.00251 | ND | ND |
| Δ9-THCV | 0.00069 | 0.00206 | <LOQ | <LOQ |
| Δ9-THCVA | 0.00062 | 0.00186 | ND | ND |
| **Total Δ9-THC** | | | **0.258** | **8.77** |
| **Total** | | | **0.329** | **11.2** |

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;

Generated By: Ryan Bellone
CCO
Date: 02/18/2025

Tested By: Kelsey Rogers
Scientist
Date: 02/13/2025

ilac-MRA
ISO/IEC 17025:2017 Accredited
Accreditation #108651

PJLA
Testing

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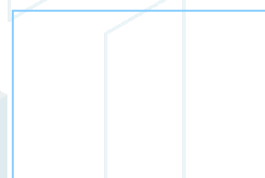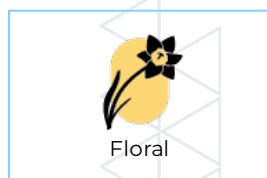Matrix: Edible - Gummy
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## Terpenes by GC-MS

| Analyte | LOD (%) | LOQ (%) | Result (%) | Analyte | LOD (%) | LOQ (%) | Result (%) |
|---|---|---|---|---|---|---|---|
| α-Bisabolol | 0.0002 | 0.001 | ND | Limonene | 0.0002 | 0.001 | ND |
| (+)-Borneol | 0.0002 | 0.001 | ND | Linalool | 0.0002 | 0.001 | 0.00249 |
| Camphene | 0.0002 | 0.001 | ND | β-myrcene | 0.0002 | 0.001 | ND |
| Camphor | 0.0004 | 0.002 | ND | Nerol | 0.0002 | 0.001 | ND |
| 3-Carene | 0.0002 | 0.001 | ND | cis-Nerolidol | 0.0002 | 0.001 | ND |
| β-Caryophyllene | 0.0002 | 0.001 | ND | trans-Nerolidol | 0.0002 | 0.001 | ND |
| Caryophyllene Oxide | 0.0002 | 0.001 | ND | Ocimene | 0.0002 | 0.001 | ND |
| α-Cedrene | 0.0002 | 0.001 | ND | α-Phellandrene | 0.0002 | 0.001 | ND |
| Cedrol | 0.0002 | 0.001 | ND | α-Pinene | 0.0002 | 0.001 | ND |
| Eucalyptol | 0.0002 | 0.001 | ND | β-Pinene | 0.0002 | 0.001 | ND |
| Fenchone | 0.0004 | 0.002 | ND | Pulegone | 0.0002 | 0.001 | ND |
| Fenchyl Alcohol | 0.0002 | 0.001 | ND | Sabinene | 0.0002 | 0.001 | ND |
| Geraniol | 0.0002 | 0.001 | ND | Sabinene Hydrate | 0.0002 | 0.001 | ND |
| Geranyl Acetate | 0.0002 | 0.001 | ND | α-Terpinene | 0.0002 | 0.001 | ND |
| Guaiol | 0.0002 | 0.001 | ND | γ-Terpinene | 0.0002 | 0.001 | ND |
| Hexahydrothymol | 0.0002 | 0.001 | ND | α-Terpineol | 0.0001 | 0.0005 | ND |
| α-Humulene | 0.0002 | 0.001 | ND | γ-Terpineol | 0.0001 | 0.0005 | ND |
| Isoborneol | 0.0002 | 0.001 | ND | Terpinolene | 0.0002 | 0.001 | ND |
| Isopulegol | 0.0002 | 0.001 | ND | Valencene | 0.0002 | 0.001 | ND |
| | | | | **Total Terpenes (%)** | | | **0.00249** |

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| Floral | Spice | Lavender | | |
|---|---|---|---|---|

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Scientist
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## Heavy Metals by ICP-MS

| Analyte | LOD (ppm) | LOQ (ppm) | Result (ppm) |
|---------|-----------|-----------|--------------|
| Arsenic | 0.002 | 0.02 | ND |
| Cadmium | 0.001 | 0.02 | ND |
| Lead | 0.002 | 0.02 | ND |
| Mercury | 0.012 | 0.05 | ND |

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Tested By: Chris Farman
Scientist
Date: 02/13/2025

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## Pesticides by LC-MS/MS and GC-MS/MS

| Analyte | LOD (ppb) | LOQ (ppb) | Result (ppb) | Analyte | LOD (ppb) | LOQ (ppb) | Result (ppb) |
|---|---|---|---|---|---|---|---|
| Abamectin | 30 | 100 | ND | Hexythiazox | 30 | 100 | ND |
| Azoxystrobin | 30 | 100 | ND | Imazalil | 30 | 100 | ND |
| Bifenazate | 30 | 100 | ND | Kresoxim methyl | 30 | 100 | ND |
| Bifenthrin | 30 | 100 | ND | Malathion | 30 | 100 | ND |
| Boscalid | 30 | 100 | ND | Metalaxyl | 30 | 100 | ND |
| Chloranthraniliprole | 30 | 100 | ND | Myclobutanil | 30 | 100 | ND |
| Chlorfenapyr | 30 | 100 | ND | Naled | 30 | 100 | ND |
| Chlorpyrifos | 30 | 100 | ND | Paclobutrazol | 30 | 100 | ND |
| Coumaphos | 30 | 100 | ND | Permethrin | 30 | 100 | ND |
| Cypermethrin | 30 | 100 | ND | Phosmet | 30 | 100 | ND |
| Diazinon | 30 | 100 | ND | Piperonyl Butoxide | 30 | 100 | ND |
| Dimethomorph | 30 | 100 | ND | Propiconazole | 30 | 100 | ND |
| Etofenprox | 30 | 100 | ND | Pyrethrins | 30 | 100 | ND |
| Etoxazole | 30 | 100 | ND | Pyridaben | 30 | 100 | ND |
| Fenhexamid | 30 | 100 | ND | Spinetoram | 30 | 100 | ND |
| Fenoxycarb | 30 | 100 | ND | Spinosad | 30 | 100 | ND |
| Fenpyroximate | 30 | 100 | ND | Spiromesifen | 30 | 100 | ND |
| Fipronil | 30 | 100 | ND | Spirotetramat | 30 | 100 | ND |
| Fludioxonil | 30 | 100 | ND | Spiroxamine | 30 | 100 | ND |
|  |  |  |  | Tebuconazole | 30 | 100 | ND |
|  |  |  |  | Thiamethoxam | 30 | 100 | ND |
|  |  |  |  | Trifloxystrobin | 30 | 100 | ND |

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Tested By: Anthony Mattingly
Scientist
Date: 02/13/2025

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## Mycotoxins by LC-MS/MS

| Analyte | LOD (ppb) | LOQ (ppb) | Result (ppb) |
|---|---|---|---|
| B1 | 1 | 5 | ND |
| B2 | 1 | 5 | ND |
| G1 | 1 | 5 | ND |
| G2 | 1 | 5 | ND |
| Ochratoxin A | 1 | 5 | ND |

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Generated By: Ryan Bellone
CCO
Date: 02/18/2025

Tested By: Anthony Mattingly
Scientist
Date: 02/13/2025

This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories. KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories. KCA Laboratories can provide measurement uncertainty upon request.

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## Microbials by PCR and Plating

| Analyte | LOD (CFU/g) | Result (CFU/g) | Result (Qualitative) |
|---|---|---|---|
| Total aerobic count | 10 | ND | |
| Total coliforms | 10 | ND | |
| Generic E. coli | 10 | ND | |
| Salmonella spp. | 1 | | Not Detected per 1 gram |
| Shiga-toxin producing E. coli (STEC) | 1 | | Not Detected per 1 gram |

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Generated By: Ryan Bellone
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Date: 02/18/2025

Tested By: Jade Pinkston
Microbiology Technician
Date: 02/18/2025

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**Certificate of Analysis**

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## Residual Solvents by HS-GC-MS

| Analyte | LOD (ppm) | LOQ (ppm) | Result (ppm) | Analyte | LOD (ppm) | LOQ (ppm) | Result (ppm) |
|---|---|---|---|---|---|---|---|
| Acetone | 167 | 500 | ND | Ethylene Oxide | 0.5 | 1 | ND |
| Acetonitrile | 14 | 41 | ND | Heptane | 167 | 500 | ND |
| Benzene | 0.5 | 1 | ND | n-Hexane | 10 | 29 | ND |
| Butane | 167 | 500 | ND | Isobutane | 167 | 500 | ND |
| 1-Butanol | 167 | 500 | ND | Isopropyl Acetate | 167 | 500 | ND |
| 2-Butanol | 167 | 500 | ND | Isopropyl Alcohol | 167 | 500 | ND |
| 2-Butanone | 167 | 500 | ND | Isopropylbenzene | 167 | 500 | ND |
| Chloroform | 2 | 6 | ND | Methanol | 100 | 300 | ND |
| Cyclohexane | 129 | 388 | ND | 2-Methylbutane | 10 | 29 | ND |
| 1,2-Dichloroethane | 0.5 | 1 | ND | Methylene Chloride | 20 | 60 | ND |
| 1,2-Dimethoxyethane | 4 | 10 | ND | 2-Methylpentane | 10 | 29 | ND |
| Dimethyl Sulfoxide | 167 | 500 | ND | 3-Methylpentane | 10 | 29 | ND |
| N,N-Dimethylacetamide | 37 | 109 | ND | n-Pentane | 167 | 500 | ND |
| 2,2-Dimethylbutane | 10 | 29 | ND | 1-Pentanol | 167 | 500 | ND |
| 2,3-Dimethylbutane | 10 | 29 | ND | n-Propane | 167 | 500 | ND |
| N,N-Dimethylformamide | 30 | 88 | ND | 1-Propanol | 167 | 500 | ND |
| 2,2-Dimethylpropane | 167 | 500 | ND | Pyridine | 7 | 20 | ND |
| 1,4-Dioxane | 13 | 38 | ND | Tetrahydrofuran | 24 | 72 | ND |
| Ethanol | 167 | 500 | ND | Toluene | 30 | 89 | ND |
| 2-Ethoxyethanol | 6 | 16 | ND | Trichloroethylene | 3 | 8 | ND |
| Ethyl Acetate | 167 | 500 | ND | Xylenes (o-, m-, and p-) | 73 | 217 | ND |
| Ethyl Ether | 167 | 500 | ND | | | | |
| Ethylbenzene | 3 | 7 | ND | | | | |

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