

## Munchies Sour Worms 250MG

Sample ID: SA-250612-63477  
 Batch: 76386  
 Type: Finished Product - Ingestible  
 Matrix: Edible - Gummy  
 Unit Mass (g): 5.16933

Received: 06/19/2025  
 Completed: 06/27/2025



### Summary

| Test              | Date Tested | Status |
|-------------------|-------------|--------|
| Cannabinoids      | 06/20/2025  | Tested |
| Foreign Matter    | 06/26/2025  | Tested |
| Heavy Metals      | 06/27/2025  | Tested |
| Microbials        | 06/27/2025  | Tested |
| Mycotoxins        | 06/27/2025  | Tested |
| Pesticides        | 06/27/2025  | Tested |
| Residual Solvents | 06/26/2025  | Tested |

|              |                |                    |                   |                     |                                 |
|--------------|----------------|--------------------|-------------------|---------------------|---------------------------------|
| <b>ND</b>    | <b>0.105 %</b> | <b>0.105 %</b>     | <b>Not Tested</b> | <b>Not Detected</b> | <b>Yes</b>                      |
| Total Δ9-THC | Δ8-THC         | Total Cannabinoids | Moisture Content  | Foreign Matter      | Internal Standard Normalization |

### Cannabinoids by HPLC-PDA and GC-MS/MS

| Analyte             | LOD (%) | LOQ (%) | Result (%)   | Result (mg/unit) |
|---------------------|---------|---------|--------------|------------------|
| CBC                 | 0.00095 | 0.00284 | ND           | ND               |
| 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               |
| CBDAV               | 0.00021 | 0.00063 | ND           | ND               |
| CBG                 | 0.00057 | 0.00172 | ND           | ND               |
| 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 | <LOQ         | <LOQ             |
| CBNA                | 0.0006  | 0.00181 | ND           | ND               |
| CBT                 | 0.0018  | 0.0054  | ND           | ND               |
| Δ4,8-iso-THC        | 0.0067  | 0.02    | <LOQ         | <LOQ             |
| Δ8-iso-THC          | 0.0067  | 0.02    | ND           | ND               |
| Δ8-THC              | 0.00104 | 0.00312 | 0.105        | 5.45             |
| Δ8-THCV             | 0.0067  | 0.02    | ND           | ND               |
| Δ9-THC              | 0.00076 | 0.00227 | ND           | ND               |
| Δ9-THCA             | 0.00084 | 0.00251 | ND           | ND               |
| Δ9-THCV             | 0.00069 | 0.00206 | ND           | ND               |
| Δ9-THCVA            | 0.00062 | 0.00186 | ND           | ND               |
| exo-THC             | 0.0067  | 0.02    | ND           | ND               |
| <b>Total Δ9-THC</b> |         |         | <b>ND</b>    | <b>ND</b>        |
| <b>Total</b>        |         |         | <b>0.105</b> | <b>5.45</b>      |

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  
 Commercial Director  
 Date: 06/27/2025



Tested By: Scott Caudill  
 Laboratory Manager  
 Date: 06/20/2025



ISO/IEC 17025:2017 Accredited  
 Accreditation #108651





**KCA Laboratories**  
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<https://kcalabs.com>  
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## Certificate of Analysis

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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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Generated By: Ryan Bellone  
Commercial Director  
Date: 06/27/2025

Tested By: Chris Farman  
Scientist  
Date: 06/27/2025



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

| Analyte              | LOD (ppb) | LOQ (ppb) | Result (ppb) | Analyte            | LOD (ppb) | LOQ (ppb) | Result (ppb) |
|----------------------|-----------|-----------|--------------|--------------------|-----------|-----------|--------------|
| Acephate             | 30        | 100       | ND           | Hexythiazox        | 30        | 100       | ND           |
| Acetamiprid          | 30        | 100       | ND           | Imazalil           | 30        | 100       | ND           |
| Aldicarb             | 30        | 100       | ND           | Imidacloprid       | 30        | 100       | ND           |
| Azoxystrobin         | 30        | 100       | ND           | Kresoxim methyl    | 30        | 100       | ND           |
| Bifenazate           | 30        | 100       | ND           | Malathion          | 30        | 100       | ND           |
| Bifenthrin           | 30        | 100       | ND           | Metalaxyl          | 30        | 100       | ND           |
| Boscalid             | 30        | 100       | ND           | Methiocarb         | 30        | 100       | ND           |
| Carbaryl             | 30        | 100       | ND           | Methomyl           | 30        | 100       | ND           |
| Carbofuran           | 30        | 100       | ND           | Mevinphos          | 30        | 100       | ND           |
| Chloranthraniliprole | 30        | 100       | ND           | Myclobutanil       | 30        | 100       | ND           |
| Chlorfenapyr         | 30        | 100       | ND           | Naled              | 30        | 100       | ND           |
| Chlorpyrifos         | 30        | 100       | ND           | Oxamyl             | 30        | 100       | ND           |
| Clofentezine         | 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           |
| Dichlorvos           | 30        | 100       | ND           | Prallethrin        | 30        | 100       | ND           |
| Dimethoate           | 30        | 100       | ND           | Propiconazole      | 30        | 100       | ND           |
| Dimethomorph         | 30        | 100       | ND           | Propoxur           | 30        | 100       | ND           |
| Ethoprophos          | 30        | 100       | ND           | Pyrethrins         | 30        | 100       | ND           |
| Etofenprox           | 30        | 100       | ND           | Pyridaben          | 30        | 100       | ND           |
| Etoxazole            | 30        | 100       | ND           | Spinetoram         | 30        | 100       | ND           |
| Fenhexamid           | 30        | 100       | ND           | Spinosad           | 30        | 100       | ND           |
| Fenoxycarb           | 30        | 100       | ND           | Spiromesifen       | 30        | 100       | ND           |
| Fenpyroximate        | 30        | 100       | ND           | Spirotetramat      | 30        | 100       | ND           |
| Fipronil             | 30        | 100       | ND           | Spiroxamine        | 30        | 100       | ND           |
| Flonicamid           | 30        | 100       | ND           | Tebuconazole       | 30        | 100       | ND           |
| Fludioxonil          | 30        | 100       | ND           | Thiacloprid        | 30        | 100       | ND           |
|                      |           |           |              | Thiamethoxam       | 30        | 100       | ND           |
|                      |           |           |              | Trifloxystrobin    | 30        | 100       | ND           |

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 Commercial Director  
 Date: 06/27/2025



Tested By: Anthony Mattingly  
 Scientist  
 Date: 06/27/2025



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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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## 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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 Commercial Director  
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Tested By: Natalia Wright  
 Laboratory Technician  
 Date: 06/27/2025



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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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Generated By: Ryan Bellone  
 Commercial Director  
 Date: 06/27/2025



Tested By: Kelsey Rogers  
 Scientist  
 Date: 06/26/2025

