

**Mango Gummy Nano**

Sample ID: SA-251222-74526  
 Batch: 52381L1  
 Type: Finished Product - Ingestible  
 Matrix: Edible - Gummy  
 Unit Size (g): 7.16687  
 Unit Volume (mL): , Density (g/mL):

Received: 12/24/2025  
 Completed: 01/12/2026


**Summary**

| Test                     | Date Tested | Status |
|--------------------------|-------------|--------|
| Cannabinoids by HPLC-PDA | 12/30/2025  | Tested |
| Heavy Metals             | 01/09/2026  | Tested |
| Microbials               | 01/12/2026  | Tested |
| Mycotoxins               | 01/09/2026  | Tested |
| Pesticides               | 01/09/2026  | Tested |
| Residual Solvents        | 01/08/2026  | Tested |

|                |                |                    |                   |                   |                                 |
|----------------|----------------|--------------------|-------------------|-------------------|---------------------------------|
| <b>0.151 %</b> | <b>0.151 %</b> | <b>0.157 %</b>     | <b>Not Tested</b> | <b>Not Tested</b> | <b>Yes</b>                      |
| 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 | ND           | ND               |
| CBCA                | 0.00181 | 0.00543 | ND           | ND               |
| CBCV                | 0.0006  | 0.0018  | ND           | ND               |
| CBD                 | 0.00081 | 0.00242 | 0.00556      | 0.398            |
| 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 | 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 | ND           | ND               |
| CBNA                | 0.0006  | 0.00181 | ND           | ND               |
| CBT                 | 0.0018  | 0.0054  | ND           | ND               |
| Δ8-THC              | 0.00104 | 0.00312 | <LOQ         | <LOQ             |
| Δ9-THC              | 0.00076 | 0.00227 | 0.151        | 10.8             |
| Δ9-THCA             | 0.00084 | 0.00251 | ND           | ND               |
| Δ9-THCV             | 0.00069 | 0.00206 | ND           | ND               |
| Δ9-THCVA            | 0.00062 | 0.00186 | ND           | ND               |
| <b>Total Δ9-THC</b> |         |         | <b>0.151</b> | <b>10.8</b>      |
| <b>Total</b>        |         |         | <b>0.157</b> | <b>11.2</b>      |

ND = Not Detected; NT = Not Tested; UA = Unsuitable for Analysis; NR = (Spike) Not Recoverable, sample matrix interference present which may affect accuracy of results; 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: 01/12/2026



Tested By: Kelsey Rogers  
 Scientist  
 Date: 12/30/2025



ISO/IEC 17025:2017 Accredited  
 Accreditation #108651

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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**Heavy Metals by ICP-MS**

| Analyte | LOD (ppm) | LOQ (ppm) | Result (ppm) |
|---------|-----------|-----------|--------------|
| Arsenic | 0.002     | 0.02      | ND           |
| Cadmium | 0.002     | 0.02      | ND           |
| Lead    | 0.005     | 0.05      | ND           |
| Mercury | 0.005     | 0.01      | ND           |

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Generated By: Ryan Bellone  
Commercial Director  
Date: 01/12/2026



Tested By: Annie Velazquez  
Laboratory Technician  
Date: 01/09/2026

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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       | NR           | Hexythiazox        | 30        | 100       | ND           |
| Acephate             | 30        | 100       | ND           | Imazalil           | 30        | 100       | ND           |
| Acequinocyl          | 30        | 100       | NR           | Imidacloprid       | 30        | 100       | ND           |
| Acetamiprid          | 30        | 100       | ND           | Kresoxim methyl    | 30        | 100       | ND           |
| Aldicarb             | 30        | 100       | ND           | Malathion          | 30        | 100       | ND           |
| Azoxystrobin         | 30        | 100       | ND           | Metalaxyl          | 30        | 100       | ND           |
| Bifenazate           | 30        | 100       | ND           | Methiocarb         | 30        | 100       | ND           |
| Bifenthrin           | 30        | 100       | ND           | Methomyl           | 30        | 100       | ND           |
| Boscalid             | 30        | 100       | ND           | Mevinphos          | 30        | 100       | ND           |
| Carbaryl             | 30        | 100       | ND           | Myclobutanil       | 30        | 100       | ND           |
| Carbofuran           | 30        | 100       | ND           | Naled              | 30        | 100       | ND           |
| Chloranthraniliprole | 30        | 100       | ND           | Oxamyl             | 30        | 100       | ND           |
| Chlorfenapyr         | 30        | 100       | ND           | Paclobutrazol      | 30        | 100       | ND           |
| Chlormequat chloride | 30        | 100       | ND           | Permethrin         | 30        | 100       | ND           |
| Chlorpyrifos         | 30        | 100       | ND           | Phosmet            | 30        | 100       | ND           |
| Clofentezine         | 30        | 100       | ND           | Piperonyl Butoxide | 30        | 100       | ND           |
| Coumaphos            | 30        | 100       | ND           | Prallethrin        | 30        | 100       | ND           |
| Cypermethrin         | 30        | 100       | NR           | Propiconazole      | 30        | 100       | ND           |
| Daminozide           | 30        | 100       | ND           | Propoxur           | 30        | 100       | ND           |
| Diazinon             | 30        | 100       | ND           | Pyrethrins         | 30        | 100       | ND           |
| DDVP (Dichlorvos)    | 30        | 100       | ND           | Pyridaben          | 30        | 100       | ND           |
| Dimethoate           | 30        | 100       | ND           | Spinetoram         | 30        | 100       | ND           |
| Dimethomorph         | 30        | 100       | ND           | Spinosad           | 30        | 100       | ND           |
| Ethoprophos          | 30        | 100       | ND           | Spiromesifen       | 30        | 100       | ND           |
| Etofenprox           | 30        | 100       | ND           | Spirotetramat      | 30        | 100       | ND           |
| Ettoxazole           | 30        | 100       | ND           | Spiroxamine        | 30        | 100       | ND           |
| Fenhexamid           | 30        | 100       | ND           | Tebuconazole       | 30        | 100       | ND           |
| Fenoxycarb           | 30        | 100       | ND           | Thiacloprid        | 30        | 100       | ND           |
| Fenpyroximate        | 30        | 100       | ND           | Thiamethoxam       | 30        | 100       | ND           |
| Fipronil             | 30        | 100       | ND           | Trifloxystrobin    | 30        | 100       | ND           |
| Flonicamid           | 30        | 100       | ND           |                    |           |           |              |
| Fludioxonil          | 30        | 100       | ND           |                    |           |           |              |

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 Values over action limits may be estimates



Generated By: Ryan Bellone  
 Commercial Director  
 Date: 01/12/2026



Tested By: Jasper van Heemst  
 Principal Scientist  
 Date: 01/09/2026

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## Mycotoxins by LC-MS/MS

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

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 Values over action limits may be estimates



Generated By: Ryan Bellone  
 Commercial Director  
 Date: 01/12/2026



Tested By: Jasper van Heemst  
 Principal Scientist  
 Date: 01/09/2026

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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             |                         |
| Listeria mono.                       | 1           |                | Not Detected per 1 gram |
| Salmonella spp.                      | 1           |                | Not Detected per 1 gram |
| Shiga-toxin producing E. coli (STEC) | 1           |                | Not Detected per 1 gram |
| Total yeast and mold count (TYMC)    | 10          | ND             |                         |

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Generated By: Ryan Bellone  
 Commercial Director  
 Date: 01/12/2026



Tested By: Sara Cook  
 Laboratory Technician  
 Date: 01/12/2026

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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               | 33        | 100       | ND           | Ethylene Oxide           | 0.5       | 1         | ND           |
| Acetonitrile          | 14        | 41        | ND           | Heptane                  | 33        | 100       | ND           |
| Benzene               | 0.5       | 1         | ND           | n-Hexane                 | 2         | 6         | ND           |
| Butane                | 33        | 100       | ND           | Isobutane                | 33        | 100       | 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                 | 20        | 60        | 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          | 2         | 6         | ND           |
| Dimethyl Sulfoxide    | 167       | 500       | ND           | 3-Methylpentane          | 2         | 6         | ND           |
| N,N-Dimethylacetamide | 37        | 109       | ND           | n-Pentane                | 33        | 100       | ND           |
| 2,2-Dimethylbutane    | 2         | 6         | ND           | 1-Pentanol               | 167       | 500       | ND           |
| 2,3-Dimethylbutane    | 2         | 6         | ND           | n-Propane                | 33        | 100       | 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       | 2740         | Toluene                  | 6         | 18        | ND           |
| 2-Ethoxyethanol       | 6         | 16        | ND           | Trichloroethylene        | 3         | 8         | ND           |
| Ethyl Acetate         | 33        | 100       | ND           | Xylenes (o-, m-, and p-) | 14        | 43        | ND           |
| Ethyl Ether           | 167       | 500       | ND           |                          |           |           |              |
| Ethylbenzene          | 3         | 7         | ND           |                          |           |           |              |

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Generated By: Ryan Bellone  
 Commercial Director  
 Date: 01/12/2026



Tested By: Kelsey Rogers  
 Scientist  
 Date: 01/08/2026