

# NanoCann Independent Research

399 Smith Street, Farmingdale, NY 11735

david@libertyleaf-ny.com

424-303-8027

License #: OCM-PROC-24-000176

# Certificate of Analysis

Final



Date Released: 11/24/2025 3:10:40PM

Report #: 102455

## TTM - Flower - Packaged - 1.0g - Blue Moon Dream

Sample #: 21697, Weight: 20.00g, Unit Count:

Order #: X251119-0001

Category/Type: Plant, Flower - Cured

Date Collected: 11/19/2025 8:00:00PM

Date Received: 11/20/2025 12:18:58PM

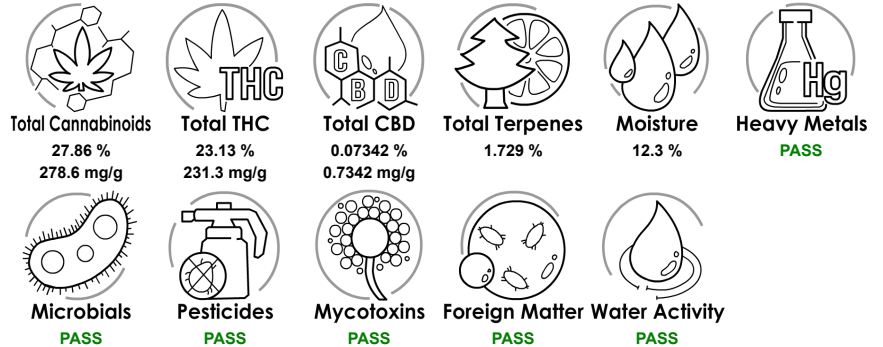
Date Sampled: 11/19/2025 11:41:00AM

Regulator Sample ID: TTM-F-1G-BMD-111725

Regulator Source Package ID: TTM-F-1G-BMD-111725

Regulator Batch ID: TTM-F-1G-BMD-111725

Size: 8400Units, Unit Count:



### Cannabinoids Avg

Total Cannabinoids: **27.86 % - 278.6 mg/g**

Total THC: **23.13 % - 231.3 mg/g**

Total CBD: **0.07342 % - 0.7342 mg/g**

Date Completed: 11/22/2025 4:56PM

| Compound | CAS#       | LOQ (%)  | %       | mg/g   | Relative Concentration |
|----------|------------|----------|---------|--------|------------------------|
| THCa     | 23978-85-0 | 0.001000 | 25.48   | 254.8  |                        |
| CBGa     | 25555-57-1 | 0.001000 | 1.412   | 14.12  |                        |
| d9-THC   | 1972-08-3  | 0.001000 | 0.7538  | 7.538  |                        |
| CBG      | 25654-31-3 | 0.001000 | 0.1012  | 1.012  |                        |
| CBDa     | 1244-58-2  | 0.001000 | 0.08371 | 0.8371 |                        |
| d8-THC   | 5957-75-5  | 0.001000 | 0.03733 | 0.3733 |                        |

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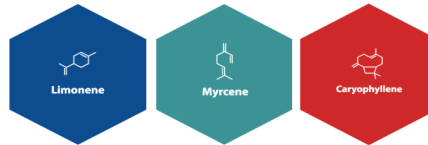
TTM - Flower - Packaged - 1.0g - Blue Moon Dream

| Compound   | CAS#       | LOQ (%)  | %  | mg/g | Relative Concentration |
|------------|------------|----------|----|------|------------------------|
| CBDV       | 24274-48-4 | 0.001000 | ND | ND   |                        |
| THCV       | 31262-37-0 | 0.001000 | ND | ND   |                        |
| CBD        | 13956-29-1 | 0.001000 | ND | ND   |                        |
| CBN        | 521-35-7   | 0.001000 | ND | ND   |                        |
| d10/R9-THC | 95543-62-7 | 0.001000 | ND | ND   |                        |
| d10/S9-THC | 95588-87-7 | 0.001000 | ND | ND   |                        |
| CBC        | 20675-51-8 | 0.001000 | ND | ND   |                        |

**Test Comment:** Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.

## Terpenes by HS-GC-MS

Date Completed: 11/21/2025 1:32PM



| Compound                    | CAS#      | LOQ (%) | %      | Relative Concentration |
|-----------------------------|-----------|---------|--------|------------------------|
| Limonene                    | 5989-27-5 | 0.1000  | 0.5902 | <div></div>            |
| Beta-myrcene                | 123-35-3  | 0.1000  | 0.3487 | <div></div>            |
| Beta-caryophyllene          | 87-44-5   | 0.1000  | 0.2868 | <div></div>            |
| Linalool                    | 78-70-6   | 0.1000  | 0.2326 | <div></div>            |
| Farnesene                   | 502-61-4  | 0.1000  | 0.1410 | <div></div>            |
| Terpineol                   | 8006-39-1 | 0.1000  | 0.1298 | <div></div>            |
| Results based on dry weight |           |         |        |                        |
| Alpha-pinene                | 80-56-8   | 0.1000  | ND     |                        |

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| Compound            | CAS#       | LOQ (%) | %  | Relative Concentration |
|---------------------|------------|---------|----|------------------------|
| Alpha-humulene      | 6753-98-6  | 0.1000  | ND |                        |
| Beta-pinene         | 127-91-3   | 0.1000  | ND |                        |
| Terpinolene         | 586-62-9   | 0.1000  | ND |                        |
| Ocimene             | 13877-91-3 | 0.1000  | ND |                        |
| Alpha-bisabolol     | 515-69-5   | 0.1000  | ND |                        |
| Caryophyllene-oxide | 1139-30-6  | 0.1000  | ND |                        |
| Geraniol            | 106-24-1   | 0.1000  | ND |                        |
| Camphene            | 79-92-5    | 0.1000  | ND |                        |
| Guaiol              | 489-86-1   | 0.1000  | ND |                        |
| Alpha-terpinene     | 99-86-5    | 0.1000  | ND |                        |
| Fenchol             | 14575-74-7 | 0.1000  | ND |                        |
| Valencene           | 4630-07-3  | 0.1000  | ND |                        |
| Alpha-phellandrene  | 99-83-2    | 0.1000  | ND |                        |

Test Comment: Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

## Foreign Matter by Microscopy

Pass

Analysis Date: 11/20/2025 5:22 pm

| Compound            | LOQ (%) | Limits (%) | Result (%) | Status |
|---------------------|---------|------------|------------|--------|
| % Filth             | 0.00100 | 2.0        | ND         | Pass   |
| % Mammalian Excreta | 0.00100 | 5.0        | ND         | Pass   |
| % Stems             | 0.00100 | 0.03       | ND         | Pass   |

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

## Moisture by Analyzer

Pass

Analysis Date: 11/20/2025 5:33 pm

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
| Moisture | 1.2     | 0 - 15     | 12.3       | Pass   |

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

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Sample #: 21697 TTM - Flower - Packaged - 1.0g - Blue Moon Dream

| Water Activity by Meter                                                                                                                      |          | Pass        |             | Analysis Date: 11/20/2025 5:26 pm |  |
|----------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|-------------|-----------------------------------|--|
| Compound                                                                                                                                     | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status                            |  |
| Water Activity                                                                                                                               | 0.05     | 0.65        | 0.51        | Pass                              |  |
| Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed. |          |             |             |                                   |  |

| Pesticides by LCMSMS |            | Pass          |               | Analysis Date: 11/22/2025 5:38 pm |  |
|----------------------|------------|---------------|---------------|-----------------------------------|--|
| Compound             | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status                            |  |
| Abamectin            | 0.0100     | 0.500         | ND            | Pass                              |  |
| Acephate             | 0.0100     | 0.400         | ND            | Pass                              |  |
| Acequinocyl          | 0.0100     | 2.00          | ND            | Pass                              |  |
| Acetamiprid          | 0.0100     | 0.200         | ND            | Pass                              |  |
| Aldicarb             | 0.0100     | 0.400         | ND            | Pass                              |  |
| Azadirachtin         | 0.0100     | 1.00          | ND            | Pass                              |  |
| Azoxystrobin         | 0.0100     | 0.200         | ND            | Pass                              |  |
| Bifenazate           | 0.0100     | 0.200         | ND            | Pass                              |  |
| Bifenthrin           | 0.0100     | 0.200         | ND            | Pass                              |  |
| Boscalid             | 0.0100     | 0.400         | ND            | Pass                              |  |
| Captan               | 0.0100     | 1.00          | ND            | Pass                              |  |
| Carbaryl             | 0.0100     | 0.200         | ND            | Pass                              |  |
| Carbofuran           | 0.0100     | 0.200         | ND            | Pass                              |  |
| Chlorantraniliprole  | 0.0100     | 0.200         | ND            | Pass                              |  |
| Chlordane-alpha      | 0.0100     | 1.00          | ND            | Pass                              |  |
| Chlorfenapyr         | 0.0100     | 1.00          | ND            | Pass                              |  |
| Chlormequat Chloride | 0.0100     | 1.00          | ND            | Pass                              |  |
| Chlorpyrifos         | 0.0100     | 0.200         | ND            | Pass                              |  |
| Clofentezine         | 0.0100     | 0.200         | ND            | Pass                              |  |
| Coumaphos            | 0.0100     | 1.00          | ND            | Pass                              |  |
| Cyfluthrin           | 0.0100     | 1.00          | ND            | Pass                              |  |

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## Pesticides by LCMSMS

Pass

Analysis Date: 11/22/2025 5:38 pm

| Compound           | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|--------------------|------------|---------------|---------------|--------|
| Cypermethrin       | 0.0100     | 1.00          | ND            | Pass   |
| Daminozide         | 0.0100     | 1.00          | ND            | Pass   |
| Diazinon           | 0.0100     | 0.200         | ND            | Pass   |
| Dichlorvos         | 0.0100     | 1.00          | ND            | Pass   |
| Dimethoate         | 0.0100     | 0.200         | ND            | Pass   |
| Dimethomorph       | 0.0100     | 1.00          | ND            | Pass   |
| Ethoprophos        | 0.0100     | 0.200         | ND            | Pass   |
| Etofenprox         | 0.0100     | 0.400         | ND            | Pass   |
| Etoxazole          | 0.0100     | 0.200         | ND            | Pass   |
| Fenhexamid         | 0.0100     | 1.00          | ND            | Pass   |
| Fenoxycarb         | 0.0100     | 0.200         | ND            | Pass   |
| Fenpyroximate      | 0.0100     | 0.400         | ND            | Pass   |
| Fipronil           | 0.0100     | 0.400         | ND            | Pass   |
| Flonicamid         | 0.0100     | 1.00          | ND            | Pass   |
| Fludioxonil        | 0.0100     | 0.400         | ND            | Pass   |
| Hexythiazox        | 0.0100     | 1.00          | ND            | Pass   |
| Imazalil           | 0.0100     | 0.200         | ND            | Pass   |
| Imidacloprid       | 0.0100     | 0.400         | ND            | Pass   |
| Indolebutyric Acid | 0.0100     | 1.00          | ND            | Pass   |
| Kresoxim-methyl    | 0.0100     | 0.400         | ND            | Pass   |
| Malathion          | 0.0100     | 0.200         | ND            | Pass   |
| Metalaxyl          | 0.0100     | 0.200         | ND            | Pass   |
| Methiocarb         | 0.0100     | 0.200         | ND            | Pass   |
| Methomyl           | 0.0100     | 0.400         | ND            | Pass   |
| Methyl Parathion   | 0.0100     | 0.200         | ND            | Pass   |
| Mevinphos          | 0.0100     | 1.00          | ND            | Pass   |

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## Pesticides by LCMSMS

Pass

Analysis Date: 11/22/2025 5:38 pm

| Compound                | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-------------------------|------------|---------------|---------------|--------|
| MGK-264                 | 0.0100     | 0.200         | ND            | Pass   |
| Myclobutanil            | 0.0100     | 0.200         | ND            | Pass   |
| Naled                   | 0.0100     | 0.500         | ND            | Pass   |
| Oxamyl                  | 0.0100     | 1.00          | ND            | Pass   |
| Paclobutrazol           | 0.0100     | 0.400         | ND            | Pass   |
| Pentachloronitrobenzene | 0.0100     | 1.00          | ND            | Pass   |
| Permethrins, Total      | 0.0100     | 0.200         | ND            | Pass   |
| Phosmet                 | 0.0100     | 0.200         | ND            | Pass   |
| Piperonyl Butoxide      | 0.0100     | 2.00          | ND            | Pass   |
| Prallethrin             | 0.0100     | 0.200         | ND            | Pass   |
| Propiconazole           | 0.0100     | 0.400         | ND            | Pass   |
| Propoxur                | 0.0100     | 0.200         | ND            | Pass   |
| Pyrethrins Total        | 0.0100     | 1.00          | ND            | Pass   |
| Pyridaben               | 0.0100     | 0.200         | ND            | Pass   |
| Spinetoram Total        | 0.0100     | 1.00          | ND            | Pass   |
| Spinosad Total          | 0.0100     | 0.200         | ND            | Pass   |
| Spiromesifen            | 0.0100     | 0.200         | ND            | Pass   |
| Spirotetramat           | 0.0100     | 0.200         | ND            | Pass   |
| Spiroxamine             | 0.0100     | 0.200         | ND            | Pass   |
| Tebuconazole            | 0.0100     | 0.400         | ND            | Pass   |
| Thiacloprid             | 0.0100     | 0.200         | ND            | Pass   |
| Thiamethoxam            | 0.0100     | 0.200         | ND            | Pass   |
| Trifloxystrobin         | 0.0100     | 0.200         | ND            | Pass   |

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

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**Sample #: 21697****TTM - Flower - Packaged - 1.0g - Blue Moon Dream****Mycotoxins by LCMSMS****Pass****Analysis Date:** 11/22/2025 5:38 pm

| Compound        | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------|------------|---------------|---------------|--------|
| Aflatoxin B1    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin B2    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin G1    | 0.0050     | 0.020         | ND            | Pass   |
| Aflatoxin G2    | 0.0050     | 0.020         | ND            | Pass   |
| Ochratoxin A    | 0.0050     | 0.020         | ND            | Pass   |
| Total Aflatoxin | 0.0050     | 0.020         | ND            | Pass   |

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

**Heavy Metals by ICPMS****Pass****Analysis Date:** 11/21/2025 9:19 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
| Antimony | 0.0100     | 2.00          | ND            | Pass   |
| Arsenic  | 0.00100    | 0.200         | ND            | Pass   |
| Cadmium  | 0.00150    | 0.200         | 0.00690       | Pass   |
| Chromium | 0.280      | 110           | ND            | Pass   |
| Copper   | 0.0750     | 30.0          | 5.22          | Pass   |
| Lead     | 0.00250    | 0.500         | ND            | Pass   |
| Mercury  | 0.000500   | 0.100         | 0.00190       | Pass   |
| Nickel   | 0.0100     | 5.00          | 0.0590        | Pass   |

Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.

**Micro by Petri & qPCR****Pass****Analysis Date:** 11/24/2025 12:40 pm

| Compound                          | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status |
|-----------------------------------|-------------|----------------|----------------|--------|
| Aspergillus flavus Qualitative    | 1           | 0              | Not Detected   | Pass   |
| Aspergillus fumigatus Qualitative | 1           | 0              | Not Detected   | Pass   |
| Aspergillus niger Qualitative     | 1           | 0              | Not Detected   | Pass   |
| Aspergillus terreus Qualitative   | 1           | 0              | Not Detected   | Pass   |

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| Micro by Petri & qPCR                                                                                                                                                                                                                                                                                                                                                                  |             | Pass           |                | Analysis Date: 11/24/2025 12:40 pm |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|----------------|------------------------------------|--|
| Compound                                                                                                                                                                                                                                                                                                                                                                               | LOQ (CFU/g) | Limits (CFU/g) | Result (CFU/g) | Status                             |  |
| Salmonella Qualitative                                                                                                                                                                                                                                                                                                                                                                 | 1           | 0              | Not Detected   | Pass                               |  |
| Shiga Toxin-Producing E. coli Qualitative                                                                                                                                                                                                                                                                                                                                              | 1           | 0              | Not Detected   | Pass                               |  |
| Total Aerobic Bacteria                                                                                                                                                                                                                                                                                                                                                                 | 10          |                | 176000         | Pass                               |  |
| Total Yeast & Mold                                                                                                                                                                                                                                                                                                                                                                     | 10          |                | 1000           | Pass                               |  |
| Comment: Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed.<br>Due to COA validation limitations: "Not Detected" = "Absent" and "Detected" = "Presumptive Presence". Acceptance Limits: "0" = "Absence" and "1" = "Presence". "Passed" for an adult-use product implies the results contain less than 1,000,000 cfu/g. |             |                |                |                                    |  |

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