

Basin Mixtures BK

6309 Mill LN, Brooklyn NY

info@Basinmixtures.com

631-704-3130

License #: OCM-PROC-24-000034

Certificate of Analysis

Final



Date Released: 11/17/2025 2:26:14PM

Report #: 99653

Cherry Marker

Sample #: 21629, Weight: 13.00g, Unit Count:

Order #: X251113-0003

Category/Type: Plant, Flower - Cured

Date Collected: 11/13/2025 8:00:00PM

Date Received: 11/14/2025 1:39:08PM

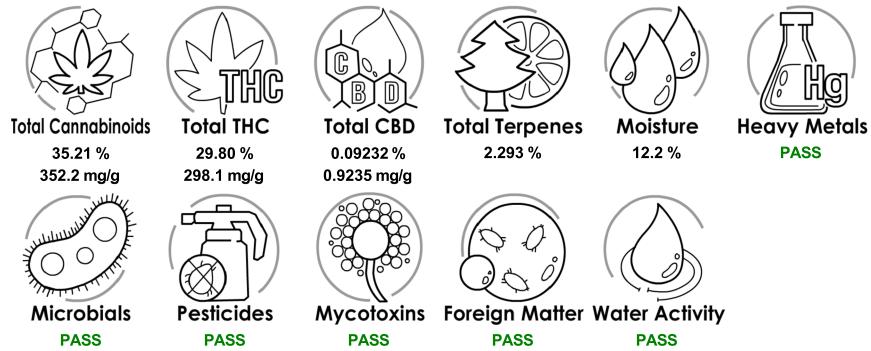
Date Sampled: 11/13/2025 1:08:00PM

Regulator Sample ID: MFCM-11132025-002

Regulator Source Package ID: MFCM-11132025-002

Regulator Batch ID: MFCM-11132025-002

Size: 500 Units, Unit Count:

**Cannabinoids Avg**Total Cannabinoids: **35.21 % - 352.2 mg/g**

Date Completed: 11/16/2025 11:06AM

Total THC: **29.80 % - 298.1 mg/g**Total CBD: **0.09232 % - 0.9235 mg/g**

| Compound | CAS# | LOQ (%) | % | mg/g | Relative Concentration |
|----------|------------|------------|--------|-------|------------------------|
| THCa | 23978-85-0 | 0.001000 | 32.27 | 322.7 | |
| d9-THC | 1972-08-3 | 0.001000 | 1.510 | 15.10 | |
| CBGa | 25555-57-1 | 0.001000 | 1.178 | 11.78 | |
| CBG | 25654-31-3 | 0.001000 | 0.1586 | 1.586 | |
| CBDa | 1244-58-2 | 0.001000 | 0.1053 | 1.053 | |
| CBDV | 24274-48-4 | 0.001000 | ND | ND | |

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| Compound | CAS# | LOQ (%) | % | mg/g | Relative Concentration |
|------------|------------|----------|----|------|------------------------|
| THCV | 31262-37-0 | 0.001000 | ND | ND | |
| CBD | 13956-29-1 | 0.001000 | ND | ND | |
| CBN | 521-35-7 | 0.001000 | ND | ND | |
| d8-THC | 5957-75-5 | 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: 11/15/2025 1:33PM**

| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|--------------------|-----------|---------|--------|------------------------|
| Beta-myrcene | 123-35-3 | 0.1000 | 0.5582 | |
| Limonene | 5989-27-5 | 0.1000 | 0.4051 | |
| Beta-caryophyllene | 87-44-5 | 0.1000 | 0.4025 | |
| Farnesene | 502-61-4 | 0.1000 | 0.3956 | |
| Linalool | 78-70-6 | 0.1000 | 0.2882 | |
| Valencene | 4630-07-3 | 0.1000 | 0.1249 | |

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| Compound | CAS# | LOQ (%) | % | Relative Concentration |
|-----------------------------|------------|---------|--------|---|
| Alpha-humulene | 6753-98-6 | 0.1000 | 0.1182 | <div style="width: 100%; background-color: #0070C0; height: 10px;"></div> |
| Results based on dry weight | | | | |
| Alpha-pinene | 80-56-8 | 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 | |
| Terpineol | 8006-39-1 | 0.1000 | ND | |
| Fenchol | 14575-74-7 | 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: 11/14/2025 4:18 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: 11/14/2025 4:19 pm

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
|----------|---------|------------|------------|--------|

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| Moisture by Analyzer | | Pass | | Analysis Date: 11/14/2025 4:19 pm | |
|-----------------------------|--|----------------|-------------------|--|---------------|
| Compound | | LOQ (%) | Limits (%) | Result (%) | Status |
| Moisture | | 1.2 | 0 - 15 | 12.2 | Pass |

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

| Water Activity by Meter | | Pass | | Analysis Date: 11/14/2025 4:19 pm | |
|--------------------------------|--|-----------------|--------------------|--|---------------|
| Compound | | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status |
| Water Activity | | 0.05 | 0.65 | 0.50 | 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: 11/17/2025 9:47 am | |
|-----------------------------|--|---|--|--|---------------|
| Compound | | LOQ ($\mu\text{g/g}$) | Limits ($\mu\text{g/g}$) | Result ($\mu\text{g/g}$) | 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 |

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**Sample #: 21629****Cherry Marker****Pesticides by LCMSMS****Pass****Analysis Date: 11/17/2025 9:47 am**

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|-----------------------|------------|---------------|---------------|--------|
| Chlorfenapyr | 0.0100 | 1.00 | ND | Pass |
| Chlorimequat 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 |
| 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 |
| Fenoxy carb | 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 |

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|-----------------------------|--|-------------|---------------|-----------------------------------|--------|
| Compound | | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
| 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 |
| 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 |

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|-----------------------------|--|-------------|---------------|-----------------------------------|--------|
| Compound | | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
| 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.

| Mycotoxins by LCMSMS | | Pass | | Analysis Date: 11/17/2025 9:47 am | |
|-----------------------------|--|-------------|---------------|-----------------------------------|--------|
| 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: 11/17/2025 6:59 am | |
|------------------------------|--|-------------|---------------|-----------------------------------|--------|
| Compound | | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
| Antimony | | 0.0100 | 2.00 | ND | Pass |
| Arsenic | | 0.00100 | 0.200 | 0.0124 | Pass |
| Cadmium | | 0.00150 | 0.200 | ND | Pass |
| Chromium | | 0.280 | 110 | ND | Pass |
| Copper | | 0.0750 | 30.0 | 2.64 | Pass |
| Lead | | 0.00250 | 0.500 | ND | Pass |

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Analysis Date: 11/17/2025 6:59 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
| Mercury | 0.000500 | 0.100 | ND | Pass |
| Nickel | 0.0100 | 5.00 | ND | Pass |

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

Micro by Petri & qPCR**Pass**

Analysis Date: 11/17/2025 11:01 am

| 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 |
| Salmonella Qualitative | 1 | 0 | Not Detected | Pass |
| Shiga Toxin-Producing E. coli Qualitative | 1 | 0 | Not Detected | Pass |
| Total Aerobic Bacteria | 10 | | <LOQ | Pass |
| Total Yeast & Mold | 10 | | <LOQ | Pass |

Comment: Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed.

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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