

**Aeterna Cannabis**

License #: OCM-AUCC-22-000037

**Certificate of Analysis**

Final



Date Released: 4/30/2024 3:28:26PM

Report #: 15274

**Gelato 33**

Sample #: 4323, Weight: 45.50g, Unit Count:

Order #: X240409-0001

Category/Type: Plant, Flower - Cured

Date Collected: 4/9/2024 2:23:10PM

Date Received: 4/9/2024 5:30:53PM

Regulator Sample ID: 0324-030

Regulator Source Package ID: 0324-030

Regulator Batch ID: 0324-030

Size: 1334Units, Unit Count:



**Total Cannabinoids**  
31.60 %  
316.0 mg/g



**Total THC**  
26.67 %  
266.7 mg/g



**Total CBD**  
0.06675 %  
0.6675 mg/g



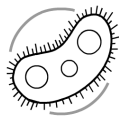
**Total Terpenes**  
2.0 %



**Moisture**  
13.3 %



**Heavy Metals**  
PASS



**Microbials**  
PASS



**Pesticides**  
PASS



**Mycotoxins**  
PASS



**Foreign Matter**  
PASS



**Water Activity**  
PASS

**Potency Analysis by HPLC**

Total Cannabinoids: **31.60 % - 316.0 mg/g**

Total THC: **26.67 % - 266.7 mg/g**

Total CBD: **0.06675 % - 0.6675 mg/g**

Date Completed: 04/11/2024 11:36AM

| Compound   | CAS#       | LOQ (%)  | %       | mg/g   | Relative Concentration               |
|------------|------------|----------|---------|--------|--------------------------------------|
| THCa       | 23978-85-0 | 0.001000 | 29.75   | 297.5  | <div style="width: 29.75%;"></div>   |
| CBGa       | 25555-57-1 | 0.001000 | 0.9528  | 9.528  | <div style="width: 0.9528%;"></div>  |
| d9-THC     | 1972-08-3  | 0.001000 | 0.5816  | 5.816  | <div style="width: 0.5816%;"></div>  |
| CBG        | 25654-31-3 | 0.001000 | 0.2119  | 2.119  | <div style="width: 0.2119%;"></div>  |
| CBDa       | 1244-58-2  | 0.001000 | 0.07611 | 0.7611 | <div style="width: 0.07611%;"></div> |
| CBDV       | 24274-48-4 | 0.001000 | 0.02537 | 0.2537 | <div style="width: 0.02537%;"></div> |
| d8-THC     | 5957-75-5  | 0.001000 | ND      | ND     |                                      |
| d10/R9-THC |            | 0.001000 | ND      | ND     |                                      |
| d10/S9-THC |            | 0.001000 | ND      | ND     |                                      |
| THCV       | 31262-37-0 | 0.001000 | ND      | ND     |                                      |
| CBD        | 13956-29-1 | 0.001000 | ND      | ND     |                                      |
| CBC        | 20675-51-8 | 0.001000 | ND      | ND     |                                      |

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Permit #: OCM-CPL-2022-00007

*Kelly Greenland*

Dr. Kelly Greenland, Lab Director



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Final



**Sample #: 4323**

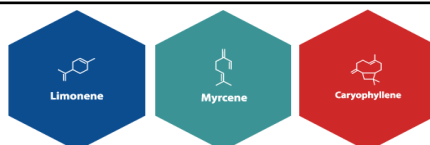
**Gelato 33**

| Compound | CAS#     | LOQ (%)  | %  | mg/g | Relative Concentration |
|----------|----------|----------|----|------|------------------------|
| CBN      | 521-35-7 | 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.  
 d8-THC is an abbreviation for delta-8 tetrahydrocannabinol. d9-THC is an abbreviation for delta-9 tetrahydrocannabinol.

**Terpenes by HS-GC-MS**

Date Completed: 04/10/2024 11:10AM



| Compound            | CAS#       | LOQ (%) | %      | Relative Concentration          |
|---------------------|------------|---------|--------|---------------------------------|
| Limonene            | 5989-27-5  | 0.1000  | 0.6021 | <div style="width: 60%;"></div> |
| Beta-myrcene        | 123-35-3   | 0.1000  | 0.4514 | <div style="width: 45%;"></div> |
| Beta-caryophyllene  | 87-44-5    | 0.1000  | 0.3858 | <div style="width: 38%;"></div> |
| Linalool            | 78-70-6    | 0.1000  | 0.2328 | <div style="width: 23%;"></div> |
| Alpha-humulene      | 6753-98-6  | 0.1000  | 0.1508 | <div style="width: 15%;"></div> |
| Farnesene           | 502-61-4   | 0.1000  | 0.1491 | <div style="width: 14%;"></div> |
| Alpha-pinene        | 80-56-8    | 0.1000  | ND     |                                 |
| Beta-pinene         | 127-91-3   | 0.1000  | ND     |                                 |
| Terpinolene         | 586-62-9   | 0.1000  | ND     |                                 |
| Borneol             | 464-43-7   | 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     |                                 |

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*Kelly Greenland*

Dr. Kelly Greenland, Lab Director





**Sample #: 4323**

**Gelato 33**

| Compound           | CAS#       | LOQ (%) | %  | Relative Concentration |
|--------------------|------------|---------|----|------------------------|
| 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 |                        |
| Valencene          | 4630-07-3  | 0.1000  | ND |                        |
| Alpha-phellandrene | 99-83-2    | 0.1000  | ND |                        |
| Camphor            | 464-49-3   | 0.1000  | ND |                        |
| 3-Carene           | 13466-78-9 | 0.1000  | ND |                        |
| Alpha-cedrene      | 469-61-4   | 0.1000  | ND |                        |
| Cedrol             | 77-53-2    | 0.1000  | ND |                        |
| Eucalyptol         | 470-82-6   | 0.1000  | ND |                        |
| Fenchone           | 1195-79-5  | 0.1000  | ND |                        |
| Gamma-terpinene    | 99-85-4    | 0.1000  | ND |                        |
| Geranyl Acetate    | 105-87-3   | 0.1000  | ND |                        |
| Isopulegol         | 89-79-2    | 0.1000  | ND |                        |
| Menthol            | 15356-70-4 | 0.1000  | ND |                        |
| Nerol              | 106-25-2   | 0.1000  | ND |                        |
| Nerolidol          |            | 0.1000  | ND |                        |
| Pulegone           | 89-82-7    | 0.1000  | ND |                        |
| Sabinene           | 3387-41-5  | 0.1000  | ND |                        |
| Sabinene Hydrate   | 546-79-2   | 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: 04/10/2024 6:14 pm

| Compound         | LOQ (%) | Limits (%) | Result (%) | Status |
|------------------|---------|------------|------------|--------|
| % Foreign Matter | 0.00100 | 2.0        | ND         | Pass   |

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**Sample #: 4323**

**Gelato 33**

**Foreign Matter by Microscopy**

**Pass**

Analysis Date: 04/10/2024 6:14 pm

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

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

**Moisture LWG**

**Pass**

Analysis Date: 04/10/2024 6:14 pm

| Compound | LOQ (%) | Limits (%) | Result (%) | Status |
|----------|---------|------------|------------|--------|
| Moisture | 1.2     | 5 - 15     | 13.3       | Pass   |

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

**Water Activity**

**Pass**

Analysis Date: 04/10/2024 6:14 pm

| Compound       | LOQ (Aw) | Limits (Aw) | Result (Aw) | Status |
|----------------|----------|-------------|-------------|--------|
| Water Activity | 0.05     | 0.65        | 0.48        | 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: 04/10/2024 3:51 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   |

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**Sample #: 4323**

**Gelato 33**

**Pesticides by LCMSMS**

**Pass**

Analysis Date: 04/10/2024 3:51 pm

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

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**Sample #: 4323**

**Gelato 33**

**Pesticides by LCMSMS**

**Pass**

Analysis Date: 04/10/2024 3:51 pm

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

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**Sample #: 4323**

**Gelato 33**

**Pesticides by LCMSMS**

**Pass**

Analysis Date: 04/10/2024 3:51 pm

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

**Mycotoxins by LCMSMS**

**Pass**

Analysis Date: 04/10/2024 3:51 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: 04/11/2024 11:27 am

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

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**Sample #: 4323**

**Gelato 33**

**Heavy Metals by ICPMS**

**Pass**

Analysis Date: 04/11/2024 11:27 am

| Compound | LOQ (µg/g) | Limits (µg/g) | Result (µg/g) | Status |
|----------|------------|---------------|---------------|--------|
| Antimony | 0.0100     | 2.00          | ND            | Pass   |
| Arsenic  | 0.00100    | 0.200         | 0.0636        | Pass   |
| Cadmium  | 0.00150    | 0.300         | 0.0232        | Pass   |
| Chromium | 0.280      | 110           | ND            | Pass   |
| Copper   | 0.0750     | 30.0          | 9.79          | Pass   |
| Lead     | 0.00250    | 0.500         | 0.0822        | Pass   |
| 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: 04/11/2024 2:24 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   |
| 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          |                | 1000           | 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".

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