

## Grape 25mg D8

Sample ID: SA-240906-48160  
 Batch: 083024KOGRI  
 Type: Finished Product - Ingestible  
 Matrix: Edible - Gummy  
 Unit Mass (g): 4.45392

Received: 09/09/2024  
 Completed: 09/23/2024

**Client**  
 KOI CBD, LLC  
 14631 Best Ave.  
 Norwalk, CA 90650  
 USA



### Summary

| Test              | Date Tested | Status |
|-------------------|-------------|--------|
| Cannabinoids      | 09/23/2024  | Tested |
| Heavy Metals      | 09/16/2024  | Tested |
| Microbials        | 09/12/2024  | Tested |
| Mycotoxins        | 09/16/2024  | Tested |
| Pesticides        | 09/16/2024  | Tested |
| Residual Solvents | 09/13/2024  | Tested |
| Terpenes          | 09/12/2024  | Tested |

|                |                |                    |                   |                   |                                 |
|----------------|----------------|--------------------|-------------------|-------------------|---------------------------------|
| <b>&lt;LOQ</b> | <b>0.584 %</b> | <b>0.606 %</b>     | <b>Not Tested</b> | <b>Not Tested</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 | 0.00500        | 0.223            |
| 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 | 0.00700        | 0.312            |
| CBNA                | 0.0006  | 0.00181 | ND             | ND               |
| CBT                 | 0.0018  | 0.0054  | ND             | ND               |
| Δ4,8-iso-THC        | 0.00067 | 0.002   | ND             | ND               |
| Δ8-iso-THC          | 0.00067 | 0.002   | 0.00980        | 0.436            |
| Δ8-THC              | 0.00104 | 0.00312 | 0.584          | 26.0             |
| Δ8-THCV             | 0.00067 | 0.002   | <LOQ           | <LOQ             |
| Δ9-THC              | 0.00076 | 0.00227 | <LOQ           | <LOQ             |
| 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             | 0.00067 | 0.002   | ND             | ND               |
| <b>Total Δ9-THC</b> |         |         | <b>&lt;LOQ</b> | <b>&lt;LOQ</b>   |
| <b>Total</b>        |         |         | <b>0.606</b>   | <b>27.0</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  
 CCO  
 Date: 09/23/2024



Tested By: Kelsey Rogers  
 Scientist  
 Date: 09/23/2024



ISO/IEC 17025:2017 Accredited  
 Accreditation #108651



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## Terpenes by GC-MS

| Analyte             | LOD (%) | LOQ (%) | Result (%) | Analyte                   | LOD (%) | LOQ (%) | Result (%)   |
|---------------------|---------|---------|------------|---------------------------|---------|---------|--------------|
| α-Bisabolol         | 0.0002  | 0.001   | ND         | Limonene                  | 0.0002  | 0.001   | ND           |
| (+)-Borneol         | 0.0002  | 0.001   | ND         | Linalool                  | 0.0002  | 0.001   | ND           |
| Camphene            | 0.0002  | 0.001   | ND         | β-myrcene                 | 0.0002  | 0.001   | ND           |
| Camphor             | 0.0004  | 0.002   | ND         | Nerol                     | 0.0002  | 0.001   | ND           |
| 3-Carene            | 0.0002  | 0.001   | ND         | cis-Nerolidol             | 0.0002  | 0.001   | ND           |
| β-Caryophyllene     | 0.0002  | 0.001   | ND         | trans-Nerolidol           | 0.0002  | 0.001   | ND           |
| Caryophyllene Oxide | 0.0002  | 0.001   | ND         | Ocimene                   | 0.0002  | 0.001   | ND           |
| α-Cedrene           | 0.0002  | 0.001   | ND         | α-Phellandrene            | 0.0002  | 0.001   | ND           |
| Cedrol              | 0.0002  | 0.001   | ND         | α-Pinene                  | 0.0002  | 0.001   | ND           |
| Eucalyptol          | 0.0002  | 0.001   | ND         | β-Pinene                  | 0.0002  | 0.001   | ND           |
| Fenchone            | 0.0004  | 0.002   | ND         | Pulegone                  | 0.0002  | 0.001   | ND           |
| Fenchyl Alcohol     | 0.0002  | 0.001   | ND         | Sabinene                  | 0.0002  | 0.001   | ND           |
| Geraniol            | 0.0002  | 0.001   | ND         | Sabinene Hydrate          | 0.0002  | 0.001   | ND           |
| Geranyl Acetate     | 0.0002  | 0.001   | ND         | α-Terpinene               | 0.0002  | 0.001   | ND           |
| Guaiol              | 0.0002  | 0.001   | ND         | γ-Terpinene               | 0.0002  | 0.001   | ND           |
| Hexahydrothymol     | 0.0002  | 0.001   | ND         | α-Terpineol               | 0.0001  | 0.0005  | ND           |
| α-Humulene          | 0.0002  | 0.001   | ND         | γ-Terpineol               | 0.0001  | 0.0005  | ND           |
| Isoborneol          | 0.0002  | 0.001   | ND         | Terpinolene               | 0.0002  | 0.001   | ND           |
| Isopulegol          | 0.0002  | 0.001   | ND         | Valencene                 | 0.0002  | 0.001   | ND           |
|                     |         |         |            | <b>Total Terpenes (%)</b> |         |         | <b>0.000</b> |

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Generated By: Ryan Bellone  
 CCO

Date: 09/23/2024



Tested By: Kelsey Rogers  
 Scientist

Date: 09/12/2024





**KCA Laboratories**  
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Nicholasville, KY 40356

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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      | 0.0920       |
| Mercury | 0.012     | 0.05      | ND           |

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Generated By: Ryan Bellone  
CCO

Date: 09/23/2024

Tested By: Chris Farman  
Scientist

Date: 09/16/2024



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

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

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 CCO

Date: 09/23/2024



Tested By: Anthony Mattingly  
 Scientist

Date: 09/16/2024



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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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Tested By: Anthony Mattingly  
 Scientist

Date: 09/16/2024



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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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Generated By: Ryan Bellone  
 CCO  
 Date: 09/23/2024



Tested By: Jade Pinkston  
 Microbiology Technician  
 Date: 09/12/2024



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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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