

Total Health & Wellness dba True Harvest

Sample: 2401TLL0036.0228

Phoenix, AZ 85043  
jpastor@trueharvestco.com

Strain: Grape Valley Kush  
Parent Batch #: ; Batch#: R4GVK0109; Batch Size: 20 g  
Sample Received: 01/31/2024; Report Created: 02/02/2024; Expires: 02/02/2025

Lic. #00000100DCWU00857159  
Harvest Dates:

Manufacturing Date:  
Sampling: ; Environment:

**Grape Valley Kush**

Plant, Flower - Cured  
Dispensary License #: ; Manufacturing License #: ; Cultivation License #:



## Safety

|             |             |             |
|-------------|-------------|-------------|
| <b>Pass</b> | <b>Pass</b> | <b>Pass</b> |
| Pesticides  | Microbials  | Metals      |

## Cannabinoids

TPL\_Potency\_01

|               |           |                       |
|---------------|-----------|-----------------------|
| <b>26.75%</b> | <b>ND</b> | <b>32.37%</b>         |
| Total THC     | Total CBD | Total Cannabinoids Q3 |

| Analyte      | LOQ  | Mass         | Mass         | Qualifier |
|--------------|------|--------------|--------------|-----------|
|              | %    | %            | mg/g         |           |
| THCa         | 0.10 | 29.69        | 296.9        |           |
| Δ9-THC       | 0.10 | 0.71         | 7.1          |           |
| Δ8-THC       | 0.10 | ND           | ND           |           |
| THCV         | 0.10 | 0.74         | 7.4          |           |
| CBDa         | 0.10 | ND           | ND           |           |
| CBD          | 0.10 | ND           | ND           |           |
| CBDV         | 0.10 | ND           | ND           |           |
| CBN          | 0.10 | ND           | ND           |           |
| CBGa         | 0.10 | 1.04         | 10.4         |           |
| CBG          | 0.10 | 0.19         | 1.9          |           |
| CBC          | 0.10 | ND           | ND           |           |
| <b>Total</b> |      | <b>32.37</b> | <b>323.7</b> |           |

Total THC = THCa \* 0.877 + Δ9-THC  
Total CBD = CBDa \* 0.877 + CBD  
Instrument: HPLC-DAD; Method: TPL\_Potency\_01

## Terpenes

TPL\_Terpenes\_01

|      |          |       |
|------|----------|-------|
|      |          |       |
| Hops | Cinnamon | Lemon |

| Analyte             | LOQ | Mass          | Mass          | Qualifier |
|---------------------|-----|---------------|---------------|-----------|
|                     | %   | %             | mg/g          |           |
| β-Myrcene           |     | 0.9950        | 9.950         | Q3        |
| α-Humulene          |     | 0.5290        | 5.290         | Q3        |
| β-Caryophyllene     |     | 0.4550        | 4.550         | Q3        |
| δ-Limonene          |     | 0.2540        | 2.540         | Q3        |
| Linalool            |     | 0.2200        | 2.200         | Q3        |
| β-Pinene            |     | 0.1300        | 1.300         | Q3        |
| α-Bisabolol         |     | 0.1170        | 1.170         | Q3        |
| Guaiol              |     | 0.0990        | 0.990         | Q3        |
| Ocimene             |     | 0.0960        | 0.960         | Q3        |
| Terpinolene         |     | 0.0900        | 0.900         | Q3        |
| γ-Terpinene         |     | 0.0670        | 0.670         | Q3        |
| Eucalyptol          |     | 0.0450        | 0.450         | Q3        |
| α-Pinene            |     | 0.0350        | 0.350         | Q3        |
| Caryophyllene Oxide |     | 0.0220        | 0.220         | Q3        |
| Camphene            |     | 0.0120        | 0.120         | Q3        |
| 3-Carene            |     | <             | <             | Q3        |
| α-Terpinene         |     | <             | <             | Q3        |
| cis-Nerolidol       |     | <             | <             | Q3        |
| Geraniol            |     | <             | <             | Q3        |
| Isopulegol          |     | <             | <             | Q3        |
| p-Cymene            |     | <             | <             | Q3        |
| trans-Nerolidol     |     | <             | <             | Q3        |
| <b>Total</b>        |     | <b>3.1660</b> | <b>31.660</b> |           |

Instrument: GCMS; Method: TPL\_Terp\_01  
Notes:



# Certificate of Analysis

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2 of 4

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## Pesticides TPL\_Pesticides\_01

Pass

| Analyte            | LOQ  | Limit | Mass | Status | Qualifier | Analyte         | LOQ  | Limit | Mass | Status | Qualifier |
|--------------------|------|-------|------|--------|-----------|-----------------|------|-------|------|--------|-----------|
|                    | PPM  | PPM   | PPM  |        |           |                 | PPM  | PPM   | PPM  |        |           |
| Abamectin          | 0.24 | 0.50  | ND   | Pass   | M1 I1 V1  | Hexythiazox     | 0.48 | 1.00  | ND   | Pass   |           |
| Acephate           | 0.19 | 0.40  | ND   | Pass   |           | Imazalil        | 0.10 | 0.20  | ND   | Pass   |           |
| Acetamiprid        | 0.10 | 0.20  | ND   | Pass   |           | Imidacloprid    | 0.19 | 0.40  | ND   | Pass   |           |
| Aldicarb           | 0.19 | 0.40  | ND   | Pass   |           | Kresoxim        | 0.19 | 0.40  | ND   | Pass   |           |
| Azoxystrobin       | 0.10 | 0.20  | ND   | Pass   |           | Methyl          |      |       |      |        |           |
| Bifenazate         | 0.10 | 0.20  | ND   | Pass   |           | Malathion       | 0.10 | 0.20  | ND   | Pass   |           |
| Bifenthrin         | 0.10 | 0.20  | ND   | Pass   |           | Metalaxyl       | 0.10 | 0.20  | ND   | Pass   |           |
| Boscalid           | 0.19 | 0.40  | ND   | Pass   |           | Methiocarb      | 0.10 | 0.20  | ND   | Pass   |           |
| Carbaryl           | 0.10 | 0.20  | ND   | Pass   |           | Methomyl        | 0.19 | 0.40  | ND   | Pass   |           |
| Carbofuran         | 0.10 | 0.20  | ND   | Pass   |           | Myclobutanil    | 0.10 | 0.20  | ND   | Pass   |           |
| Chlorantranilprole | 0.10 | 0.20  | ND   | Pass   |           | Naled           | 0.24 | 0.50  | ND   | Pass   |           |
| Chlorfenapyr       | 0.48 | 1.00  | ND   | Pass   | M1        | Oxamyl          | 0.48 | 1.00  | ND   | Pass   |           |
| Chlorpyrifos       | 0.10 | 0.20  | ND   | Pass   |           | Paclobutrazol   | 0.19 | 0.40  | ND   | Pass   |           |
| Clofentezine       | 0.10 | 0.20  | ND   | Pass   |           | Permethrin      | 0.10 | 0.20  | ND   | Pass   | M2        |
| Cyfluthrin         | 0.48 | 1.00  | ND   | Pass   |           | Phosmet         | 0.10 | 0.20  | ND   | Pass   |           |
| Cypermethrin       | 0.48 | 1.00  | ND   | Pass   | M1        | Piperonyl       |      |       |      |        |           |
| Daminozide         | 0.48 | 1.00  | ND   | Pass   | M1 L1 V1  | Butoxide        | 0.96 | 2.00  | ND   | Pass   |           |
| Diazinon           | 0.10 | 0.20  | ND   | Pass   |           | Prallethrin     | 0.10 | 0.20  | ND   | Pass   |           |
| Dichlorvos         | 0.05 | 0.10  | ND   | Pass   |           | Propiconazole   | 0.19 | 0.40  | ND   | Pass   |           |
| Dimethoate         | 0.10 | 0.20  | ND   | Pass   |           | Propoxur        | 0.10 | 0.20  | ND   | Pass   |           |
| Ethoprophos        | 0.10 | 0.20  | ND   | Pass   |           | Pyrethrins      | 0.48 | 1.00  | ND   | Pass   |           |
| Etofenprox         | 0.19 | 0.40  | ND   | Pass   |           | Pyridaben       | 0.10 | 0.20  | ND   | Pass   |           |
| Etoxazole          | 0.10 | 0.20  | ND   | Pass   |           | Spinosad        | 0.10 | 0.20  | ND   | Pass   |           |
| Fenoxycarb         | 0.10 | 0.20  | ND   | Pass   |           | Spiromesifen    | 0.10 | 0.20  | ND   | Pass   |           |
| Fenpyroximate      | 0.19 | 0.40  | ND   | Pass   |           | Spirotetramat   | 0.10 | 0.20  | ND   | Pass   |           |
| Fipronil           | 0.19 | 0.40  | ND   | Pass   |           | Spiroxamine     | 0.19 | 0.40  | ND   | Pass   |           |
| Fonicamid          | 0.48 | 1.00  | ND   | Pass   |           | Tebuconazole    | 0.19 | 0.40  | ND   | Pass   |           |
| Fludioxonil        | 0.19 | 0.40  | ND   | Pass   |           | Thiacloprid     | 0.10 | 0.20  | ND   | Pass   |           |
|                    |      |       |      |        |           | Thiamethoxam    | 0.10 | 0.20  | ND   | Pass   |           |
|                    |      |       |      |        |           | Trifloxystrobin | 0.10 | 0.20  | ND   | Pass   |           |

Instrument: LC-QQQ ; Method: TPL\_Pesticides\_01

1721 E McDowell Road  
Phoenix, AZ  
(602) 368-4233  
https://www.transparentlabsaz.com  
Lic# 0000029LRCXG19240160

Brian DiMarco  
Laboratory Director

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coa.support@confidentlims.com  
(866) 506-5866  
www.confidentlims.com



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## Heavy Metals Pass

| Analyte | LOQ   | Limit  | Mass | Status | Qualifier |
|---------|-------|--------|------|--------|-----------|
|         | PPB   | PPB    | PPB  |        |           |
| Arsenic | 200.0 | 400.0  | ND   | Pass   | V1        |
| Cadmium | 200.0 | 400.0  | <LOQ | Pass   |           |
| Lead    | 500.0 | 1000.0 | <LOQ | Pass   |           |
| Mercury | 100.0 | 200.0  | <LOQ | Pass   |           |

## Microbials Pass

| Analyte | LOQ   | Limit | Result | Status | Qualifier |
|---------|-------|-------|--------|--------|-----------|
|         | CFU/g | CFU/g | CFU/g  |        |           |
| E. Coli | 10    | 100   | <10    | Pass   |           |

| Analyte               | Limit            | Result       | Status | Qualifier |
|-----------------------|------------------|--------------|--------|-----------|
| Salmonella            | Detectable in 1g | Not Detected | Pass   |           |
| Aspergillus           | Detectable in 1g | Not Detected | Pass   |           |
| Aspergillus fumigatus | Detectable in 1g | Not Detected | Pass   |           |
| Aspergillus niger     | Detectable in 1g | Not Detected | Pass   |           |
| Aspergillus flavus    | Detectable in 1g | Not Detected | Pass   |           |
| Aspergillus terreus   | Detectable in 1g | Not Detected | Pass   |           |

Instrument: qPCR/Plating; AOAC Methods 082102, 022202 and 2018.13

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[coa.support@confidentlims.com](mailto:coa.support@confidentlims.com)  
(866) 506-5866  
[www.confidentlims.com](http://www.confidentlims.com)



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B1 = Target analyte detected in calibration blank was above LOQ but the concentration of cannabinoid was below LOQ,

B2 = Target analyte detected in calibration blank was above LOQ but was below the maximum allowable concentration.

D1 = The limit of quantitation and the sample results were adjusted to reflect sample dilution,

I1 = The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance criteria with respect to the reference spectra, indicating interference,

L1 = The percent recovery of a laboratory control sample is greater than the acceptance limits in A.A.C 17 R9-17-404.03(K)(2)(C), but the sample's target analytes were not detected above the maximum allowed concentration,

M1 = The recovery from the matrix spike was high, but the recovery from the laboratory control sample was within acceptance criteria,

M2 = The recovery from the matrix spike was low, but the recovery from the laboratory control sample was within acceptance criteria,

M3 = The recovery from the matrix spike was unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample was within acceptance criteria,

M4 = The analysis of a spiked sample required a dilution such that the spike recovery calculation does not provide useful information, but the recovery from the associated laboratory control sample was within acceptance criteria,

M5 = The analyte concentration was determined by the method of standard addition, in which the standard is added directly to the aliquots of the analyzed sample,

N1 - A description of the variance is described in the final report of testing,

R1 = The relative percent difference for the laboratory control sample and duplicate exceeded the limit in A.A.C 17 R9-17-404.03(K)(3), but the recover in subsection A.A.C 17 R9-17-404.03 (K)(2) was within accepted criteria,

R2 = The relative percent difference for a sample and duplicated exceeded the limit in subsection A.A.C 17 R9-17-404.03 (O)

Q1 = Sample integrity was not maintained,

Q2 = The sample is heterogenous and sample homogeneity could not be readily achieved using routine laboratory practices

Q3 = Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317

V1 = The recovery from continuing calibration verification standards exceeded the acceptance limits denoted in A.C.C 17 R9-17-403.03(I)(1)(b), but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample.