

<b>Final Product Information</b>	
Product Form	Karat
Strain	Grape Valley Kush x THCa
Batch Number	GVKxTHCa;
Harvest Date	02/15/2024
Manufacture date	02/26/2024
Expiration Date	02/26/2025
<b>Starting Concentrate Information</b>	
Type	
Batch Number	
Harvest/Manufacture Date	
Type of Extraction	
Manufactured By	
<b>Distribution Chain</b>	
Manufactured By	Total Health & Wellness dba True Harvest(#00000100DCWU00857159)
Packaged By	Best Dispensary (00000032DCOW00232310)
Distributed By	Best Dispensary (00000032DCOW00232310)
Marijuana Establishment Name	Total Health & Wellness dba True Harvest(#00000100DCWU00857159)
AZDHS WARNING	Warning: Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child.

## Total Health &amp; Wellness dba True Harvest

Sample: 2402TLL0071.0370

Phoenix, AZ 85043  
jpastor@trueharvestco.comStrain: Grape Valley Kush x THCa  
Parent Batch #: ; Batch#: GVKxTHCa; Batch Size: 20 g

Sample Received: 02/26/2024; Report Created: 02/29/2024; Expires: 02/28/2025

Lic. #00000100DCWU00857159  
Harvest Dates:Manufacturing Date:  
Sampling: ; Environment:

## Grape Valley Kush x THCa

Concentrates & Extracts, Infused/Enhanced Preroll, Extraction Method: Ice/Water  
Dispensary License #: ; Manufacturing License #: ; Cultivation License #:

## Safety

Pass  
PesticidesPass  
MicrobialsPass  
MycotoxinsPass  
SolventsPass  
MetalsNot Tested  
Foreign Matter

## Cannabinoids

TPL\_Potency\_01

54.60%

Total THC

ND

Total CBD

62.73%

Total Cannabinoids  
Q3

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.10	61.55	615.5	
Δ9-THC	0.10	0.63	6.3	
Δ8-THC	0.10	ND	ND	
THCV	0.10	ND	ND	
CBDa	0.10	ND	ND	
CBD	0.10	ND	ND	
CBDV	0.10	ND	ND	
CBN	0.10	ND	ND	
CBGa	0.10	0.56	5.6	
CBG	0.10	ND	ND	
CBC	0.10	ND	ND	
Total		62.73	627.3	

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

## Terpenes

TPL\_Terpenes\_01



Cinnamon



Hops



Lemon

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
β-Caryophyllene		0.3040	3.040	Q3
β-Myrcene		0.2020	2.020	Q3
δ-Limonene		0.1870	1.870	Q3
Ocimene		0.1850	1.850	Q3
α-Humulene		0.1680	1.680	Q3
Terpinolene		0.1480	1.480	Q3
β-Pinene		0.1410	1.410	Q3
α-Bisabolol		0.0300	0.300	Q3
Linalool		0.0130	0.130	Q3
α-Pinene		0.0100	0.100	Q3
3-Carene		<	<	Q3
α-Terpinene		<	<	Q3
Camphene		<	<	Q3
Caryophyllene Oxide		<	<	Q3
cis-Nerolidol		<	<	Q3
Eucalyptol		<	<	Q3
γ-Terpinene		<	<	Q3
Geraniol		<	<	Q3
Guaiol		<	<	Q3
Isopulegol		<	<	Q3
p-Cymene		<	<	Q3
trans-Nerolidol		<	<	Q3
Total		1.3880	13.880	

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



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Total Health & Wellness dba True Harvest

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Grape Valley Kush x THCa

Concentrates & Extracts, Infused/Enhanced Preroll, Extraction Method: Ice/Water  
Dispensary License #: ; Manufacturing License #: ; Cultivation License #:



## 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 L1 V1	Hexythiazox	0.48	1.00	ND	Pass	M2 L1 V1
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	L1
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	L1 V1	Malathion	0.10	0.20	ND	Pass	M2
Bifenthrin	0.10	0.20	ND	Pass	L1 V1	Metalaxyl	0.10	0.20	ND	Pass	
Boscalid	0.19	0.40	ND	Pass	M2 L1	Methiocarb	0.10	0.20	ND	Pass	M1 L1 V1
Carbaryl	0.10	0.20	ND	Pass		Methomyl	0.19	0.40	ND	Pass	
Carbofuran	0.10	0.20	ND	Pass	M2	Myclobutanil	0.10	0.20	ND	Pass	L1 V1
Chlorantraniliprole	0.10	0.20	ND	Pass	V1	Naled	0.24	0.50	ND	Pass	
Chlorfenapyr	0.48	1.00	ND	Pass	M2 V1	Oxamyl	0.48	1.00	ND	Pass	
Chlorpyrifos	0.10	0.20	ND	Pass	M2	Paclobutrazol	0.19	0.40	ND	Pass	L1
Clofentezine	0.10	0.20	ND	Pass	M2	Permethrin	0.10	0.20	ND	Pass	L1 V1
Cyfluthrin	0.48	1.00	ND	Pass	M1 L1 V1	Phosmet	0.10	0.20	ND	Pass	
Cypermethrin	0.48	1.00	ND	Pass	M1 L1 V1	Piperonyl Butoxide	0.96	2.00	ND	Pass	
Daminozide	0.48	1.00	ND	Pass		Prallethrin	0.10	0.20	ND	Pass	M1 L1 V1
Diazinon	0.10	0.20	ND	Pass		Propiconazole	0.19	0.40	ND	Pass	L1
Dichlorvos	0.05	0.10	ND	Pass		Propoxur	0.10	0.20	ND	Pass	
Dimethoate	0.10	0.20	ND	Pass		Pyrethrins	0.48	1.00	ND	Pass	L1 V1
Ethoprophos	0.10	0.20	ND	Pass		Pyridaben	0.10	0.20	ND	Pass	M2 L1
Etofenprox	0.19	0.40	ND	Pass	L1 V1	Spinosad	0.10	0.20	ND	Pass	L1 V1
Etoxazole	0.10	0.20	ND	Pass		Spiromesifen	0.10	0.20	ND	Pass	V1
Fenoxycarb	0.10	0.20	ND	Pass	L1 V1	Spirotetramat	0.10	0.20	ND	Pass	M1 V1
Fenpyroximate	0.19	0.40	ND	Pass	L1 V1	Spiroxamine	0.19	0.40	ND	Pass	
Fipronil	0.19	0.40	ND	Pass		Tebuconazole	0.19	0.40	ND	Pass	
Flonicamid	0.48	1.00	ND	Pass		Thiacloprid	0.10	0.20	ND	Pass	L1
Fludioxonil	0.19	0.40	ND	Pass	M2 L1 V1	Thiamethoxam	0.10	0.20	ND	Pass	L1
Instrument: LC-QQ; Method: TPL_Pesticides_01						Trifloxystrobin	0.10	0.20	ND	Pass	M2



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Laboratory Director

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The product associated with this COA has been tested by Transparent Labs using state validated testing methods, as required by The State of Arizona. Measurement uncertainty and decision rule information is available upon request. The test results on this COA are only valid for the sample submitted by the client and are not valid for samples or batches not mentioned on this Certificate of Analysis. Transparent Labs makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any compounds reported herein. This COA shall not be reproduced except in full, except without the written approval of Transparent Labs. The required tests and associated limit values are referenced from The required tests and testing limits used within this COA conform to those specified in A.R.S Title 36, Chapter 28.2 and A.A.C Title 9 Chapter 17 Supp. 22-3. Using Marijuana during pregnancy could cause birth defects or other health issues to your unborn child.



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Grape Valley Kush x THCa

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## Heavy Metals

Pass

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

Instrument: ICPMS; Method: AOAC 2021.03

## Residual Solvents

Pass

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Acetone	192.0	1000.0	ND	Pass	
Acetonitrile	79.0	410.0	ND	Pass	
Benzene	0.4	2.0	ND	Pass	
Butanes	481.0	5000.0	ND	Pass	
Chloroform	12.0	60.0	ND	Pass	
Dichloromethane	115.0	600.0	ND	Pass	
Ethanol	962.0	5000.0	ND	Pass	
Ethyl-Acetate	962.0	5000.0	ND	Pass	
Ethyl-Ether	962.0	5000.0	ND	Pass	
Heptane	962.0	5000.0	ND	Pass	
Hexanes	139.0	290.0	ND	Pass	
Isopropyl-Acetate	962.0	5000.0	ND	Pass	
Methanol	577.0	3000.0	<LOQ	Pass	
Pentanes	962.0	5000.0	ND	Pass	
2-Propanol	962.0	5000.0	ND	Pass	
Toluene	171.0	890.0	ND	Pass	
Xylenes	835.0	2170.0	ND	Pass	

Instrument: HS-GCMS

## 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

## Mycotoxins

Pass

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPB	PPB	PPB		
B1	8	20	ND	Pass	
B2	8	20	ND	Pass	
G1	8	20	ND	Pass	
G2	8	20	ND	Pass	
Ochratoxin A	8	20	ND	Pass	V1 M1 L1
Total Aflatoxins	8	20	ND	Pass	



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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 recovery 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 heterogeneous 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.A.C 17 R9-17-403.03(J)(1)(b), but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample.