Certificate of Analysis

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Total Health & Wellness dba True Harvest

Phoenix, AZ 85043
jpastor@trueharvestco.com

Lic. #00000100DCWU00857159
Harvest Dates:

Sample: 2404TLL0114.0580

Strain: Grape Valley Kush
Parent Batch #: ; Batch#: R4GVK0312; Batch Size: 20 g
Sample Received: 04/04/2024; Report Created: 04/10/2024; Expires: 04/10/2025
Manufacturing Date:
Sampling: ; Environment:

Grape Valley Kush

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

Safety

Pesticides	Microbials	Metals
Pass	Pass	Pass

Cannabinoids

TPL_Potency_01

Total THC	Total CBD	Total Cannabinoids
27.90%	ND	33.33%
		Q3

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
THCa	0.10	31.15	311.5	
Δ9-THC	0.10	0.59	5.9	
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	1.29	12.9	
CBG	0.10	0.31	3.1	
CBC	0.10	ND	ND	
Total		**33.33**	**333.3**	

Total THC = THCa * 0.877 + Δ9-THC
Total CBD = CBDa * 0.877 + CBD
Instrument: HPLC-DAD: ; Method: TPL_Potency_01

Terpenes

TPL_Terpenes_01

Hops	Cinnamon	Lavender

Analyte	LOQ	Mass	Mass	Qualifier
	%	%	mg/g	
β-Myrcene		0.6400	6.400	Q3
β-Caryophyllene		0.2700	2.700	Q3
α-Humulene		0.2600	2.600	Q3
Linalool		0.2200	2.200	Q3
δ-Limonene		0.1900	1.900	Q3
Ocimene		0.1900	1.900	Q3
β-Pinene		0.1100	1.100	Q3
Terpinolene		0.0800	0.800	Q3
α-Bisabolol		0.0700	0.700	Q3
γ-Terpinene		0.0700	0.700	Q3
cis-Nerolidol		0.0400	0.400	Q3
Eucalyptol		0.0400	0.400	Q3
α-Pinene		0.0200	0.200	Q3
Camphene		0.0100	0.100	Q3
Caryophyllene Oxide		0.0100	0.100	Q3
3-Carene		<	<	Q3
α-Terpinene		<	<	Q3
Geraniol		<	<	Q3
Guaiol		<	<	Q3
Isopulegol		<	<	Q3
p-Cymene		<	<	Q3
trans-Nerolidol		<	<	Q3
Total		**2.2200**	**22.200**	

Instrument: GCMS; Method: TPL_Terp_01
Notes:

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Pesticides TPL_Pesticides_01

Pass

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Abamectin	0.24	0.50	ND	Pass	M1 R2 L1 I1
Acephate	0.19	0.40	ND	Pass	
Acetamiprid	0.10	0.20	ND	Pass	
Aldicarb	0.19	0.40	ND	Pass	
Azoxystrobin	0.10	0.20	ND	Pass	
Bifenazate	0.10	0.20	ND	Pass	
Bifenthrin	0.10	0.20	ND	Pass	
Boscalid	0.19	0.40	<LOQ	Pass	
Carbaryl	0.10	0.20	ND	Pass	
Carbofuran	0.10	0.20	ND	Pass	
Chlorantraniliprole	0.10	0.20	ND	Pass	
Chlorfenapyr	0.48	1.00	ND	Pass	M2
Chlorpyrifos	0.10	0.20	ND	Pass	M2
Clofentezine	0.10	0.20	ND	Pass	
Cyfluthrin	0.48	1.00	ND	Pass	
Cypermethrin	0.48	1.00	ND	Pass	M1
Daminozide	0.48	1.00	ND	Pass	M1 R1 L1
Diazinon	0.10	0.20	ND	Pass	
Dichlorvos	0.05	0.10	ND	Pass	
Dimethoate	0.10	0.20	ND	Pass	
Ethoprophos	0.10	0.20	ND	Pass	
Etofenprox	0.19	0.40	ND	Pass	
Etoxazole	0.10	0.20	ND	Pass	
Fenoxycarb	0.10	0.20	ND	Pass	
Fenpyroximate	0.19	0.40	ND	Pass	
Fipronil	0.19	0.40	ND	Pass	
Flonicamid	0.48	1.00	ND	Pass	
Fludioxonil	0.19	0.40	ND	Pass	

Analyte	LOQ	Limit	Mass	Status	Qualifier
	PPM	PPM	PPM		
Hexythiazox	0.48	1.00	ND	Pass	M2
Imazalil	0.10	0.20	ND	Pass	
Imidacloprid	0.19	0.40	ND	Pass	
Kresoxim Methyl	0.19	0.40	ND	Pass	
Malathion	0.10	0.20	ND	Pass	L1 R2
Metalaxyl	0.10	0.20	ND	Pass	
Methiocarb	0.10	0.20	ND	Pass	
Methomyl	0.19	0.40	ND	Pass	
Myclobutanil	0.10	0.20	ND	Pass	
Naled	0.24	0.50	ND	Pass	V1
Oxamyl	0.48	1.00	ND	Pass	
Paclobutrazol	0.19	0.40	ND	Pass	
Permethrin	0.10	0.20	ND	Pass	M2
Phosmet	0.10	0.20	ND	Pass	
Piperonyl Butoxide	0.96	2.00	ND	Pass	
Prallethrin	0.10	0.20	ND	Pass	M1
Propiconazole	0.19	0.40	ND	Pass	M2
Propoxur	0.10	0.20	ND	Pass	
Pyrethrins	0.48	1.00	ND	Pass	
Pyridaben	0.10	0.20	ND	Pass	
Spinosad	0.10	0.20	ND	Pass	
Spiromesifen	0.10	0.20	ND	Pass	
Spirotetramat	0.10	0.20	ND	Pass	
Spiroxamine	0.19	0.40	ND	Pass	
Tebuconazole	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

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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	L1

LOQ=Limit of Quantitation. The reported result is based on a simple weight with the applicable moisture content for that sample. Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Instrument: ICPMS; Method: AOAC 2021.03

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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B1 = Target analyte detected in calibration blank was above LOQ but the concentration of cannabinoid was blow 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(J)(1)(b), but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample.

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