

Final Product Information:	
Product Form	Flower
Strain	Vertical Kush
Batch ID	Vertical Kush.B20B23A.27.2026.
Harvest Date	7/1/2026
Distribution Chain:	
Cultivated By	Health Center of Cochise - 00000099ESVM28064808
Packaged By	Cardinal Square, Inc - 00000114DCPD00232092
Distributed By	Cardinal Square, Inc - 00000114DCPD00232092
Arizona Dept. of Health Services Warning:	
	Using marijuana during pregnancy could cause birth defects or other health issues to your unborn child
	Marijuana use can be addictive and can impair an individual's ability to drive a motor vehicle or operate heavy machinery.
	Marijuana smoke contains carcinogens and can lead to an increased risk for cancer, tachycardia, hypertension, heart attack, and lung infection.
	Marijuana use may affect the health of a pregnant woman and the unborn child.
	KEEP OUT OF REACH OF CHILDREN.

Vertical Kush.B20B23A.27.2026.

Sample ID: 2607APO3100.15461

Strain: Vertical Kush

Matrix: Plant

Type: Flower - Cured

Source Batch #:

Collected: 07/07/2026 09:38 am

Received: 07/07/2026

Completed: 07/10/2026

Batch #: Vertical Kush.B20B23A.27.2026.

Harvest Date: 07/01/2026

Client

The Pharm / Sunday Goods

Lic. # 00000099ESVM28064808

Lot #:

Production/Manufacture Date:

Production/Manufacture Method:



Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	07/08/2026	Complete
Terpenes	07/10/2026	Complete
Microbials	07/10/2026	Pass
Pesticides	07/08/2026	Pass
Heavy Metals	07/08/2026	Pass

Cannabinoids by SOP-6

Complete

14.2084 %	ND	16.3444 %	1.3177%
Total THC	Total CBD	Total Cannabinoids ^(Q3)	Total Terpenes ^(Q3)

Analyte	LOD %	LOQ %	Result %	Result mg/g	Q
THCa		0.1000	15.1608	151.608	
Δ9-THC		0.1000	0.9124	9.124	
Δ8-THC		0.1000	ND	ND	
THCV		0.1000	ND	ND	
CBDa		0.1000	<LOQ	<LOQ	
CBD		0.1000	ND	ND	
CBDVa		0.1000	ND	ND	
CBDV		0.1000	ND	ND	
CBN		0.1000	ND	ND	
CBGa		0.1000	0.2712	2.712	
CBG		0.1000	<LOQ	<LOQ	
CBC		0.1000	ND	ND	
(6aR,9S)-Δ10-THC		0.1000	ND	ND	
(6aR,9R)-Δ10-THC		0.1000	ND	ND	
Total THC			14.2084	142.0840	
Total CBD			ND	ND	
Total			16.3444	163.4442	Q3

Date Tested: 07/08/2026 07:00 am

This CoA's Total THC% is compliant with the July 1st 2026 version of the ruleset.



Anthony Settanni
Anthony Settanni
Lab Director
07/10/2026

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Pesticides by SOP-22

Pass

Analyte	LOQ	Limit	Result	Q	Status	Analyte	LOQ	Limit	Result	Q	Status
	PPM	PPM	PPM				PPM	PPM	PPM		
Abamectin	0.2500	0.5000	ND		Pass	Hexythiazox	0.5000	1.0000	ND		Pass
Acephate	0.2000	0.4000	ND		Pass	Imazalil	0.1000	0.2000	ND		Pass
Acetamiprid	0.1000	0.2000	ND		Pass	Imidacloprid	0.2000	0.4000	ND		Pass
Aldicarb	0.2000	0.4000	ND		Pass	Kresoxim Methyl	0.2000	0.4000	ND		Pass
Azoxystrobin	0.1000	0.2000	ND		Pass	Malathion	0.1000	0.2000	ND		Pass
Bifenazate	0.1000	0.2000	ND		Pass	Metalaxyl	0.1000	0.2000	ND		Pass
Bifenthrin	0.1000	0.2000	ND		Pass	Methiocarb	0.1000	0.2000	ND		Pass
Boscalid	0.2000	0.4000	ND		Pass	Methomyl	0.2000	0.4000	ND		Pass
Carbaryl	0.1000	0.2000	ND		Pass	Myclobutanil	0.1000	0.2000	ND		Pass
Carbofuran	0.1000	0.2000	ND		Pass	Naled	0.2500	0.5000	ND		Pass
Chlorantraniliprole	0.1000	0.2000	ND		Pass	Oxamyl	0.5000	1.0000	ND		Pass
Chlorfenapyr	0.5000	1.0000	ND		Pass	Paclobutrazol	0.2000	0.4000	ND		Pass
Chlorpyrifos	0.1000	0.2000	ND		Pass	Permethrins	0.1000	0.2000	ND		Pass
Clofentezine	0.1000	0.2000	ND		Pass	Phosmet	0.1000	0.2000	ND		Pass
Cyfluthrin	0.5000	1.0000	ND		Pass	Piperonyl	1.0000	2.0000	ND		Pass
Cypermethrin	0.5000	1.0000	ND		Pass	Butoxide					
Daminozide	0.5000	1.0000	ND		Pass	Prallethrin	0.1000	0.2000	ND		Pass
Diazinon	0.1000	0.2000	ND		Pass	Propiconazole	0.2000	0.4000	ND		Pass
Dichlorvos	0.0500	0.1000	ND		Pass	Propoxur	0.1000	0.2000	ND		Pass
Dimethoate	0.1000	0.2000	ND		Pass	Pyrethrins	0.5000	1.0000	ND		Pass
Ethoprophos	0.1000	0.2000	ND		Pass	Pyridaben	0.1000	0.2000	ND		Pass
Etofenprox	0.2000	0.4000	ND		Pass	Spinosad	0.1000	0.2000	ND		Pass
Etoxazole	0.1000	0.2000	ND		Pass	Spiromesifen	0.1000	0.2000	ND		Pass
Fenoxycarb	0.1000	0.2000	ND		Pass	Spirotetramat	0.1000	0.2000	ND		Pass
Fenpyroximate	0.2000	0.4000	ND		Pass	Spiroxamine	0.2000	0.4000	ND		Pass
Fipronil	0.2000	0.4000	ND		Pass	Tebuconazole	0.2000	0.4000	ND		Pass
Flonicamid	0.5000	1.0000	ND		Pass	Thiacloprid	0.1000	0.2000	ND		Pass
Fludioxonil	0.2000	0.4000	ND		Pass	Thiamethoxam	0.1000	0.2000	ND		Pass
						Trifloxystrobin	0.1000	0.2000	ND		Pass

Date Tested: 07/08/2026 07:00 am



Anthony Settanni

Anthony Settanni
Lab Director
07/10/2026

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Lot #:

Production/Manufacture Date:

Production/Manufacture Method:

Microbials

Pass

Analyte	Limit	Result	Status	Q
Salmonella SPP by QPCR: SOP-15	Detected/Not Detected in 1g	ND	Pass	Q2
Aspergillus Flavus Aspergillus Fumigatus or Aspergillus Niger by QPCR: SOP-14	Detected/Not Detected in 1g	ND	Pass	Q2
Aspergillus Terreus by QPCR: SOP-14	Detected/Not Detected in 1g	ND	Pass	Q2

Analyte	LOQ	Limit	Result	Status	Q
	CFU/g	CFU/g	CFU/g		
E. Coli by traditional plating: SOP-13	10.0	100.0	< 10 CFU/g	Pass	Q2

Date Tested: 07/10/2026 12:00 am

Mycotoxins by SOP-22

Not Tested

Analyte	LOD	LOQ	Limit	Units	Status	Q
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Date Tested:

Heavy Metals by SOP-21

Pass

Analyte	LOD	LOQ	Limit	Units	Status	Q
	PPM	PPM	PPM	PPM		
Arsenic	0.1000	0.1330	0.4000	ND	Pass	
Cadmium	0.1000	0.1330	0.4000	ND	Pass	
Lead	0.2500	0.3330	1.0000	ND	Pass	
Mercury	0.0500	0.0660	0.2000	ND	Pass	

Date Tested: 07/08/2026 07:00 am



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07/10/2026

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Terpenes

Analyte	LOQ	Result	Result	Q		Analyte	LOQ	Result	Result	Q
	%	%	mg/g				%	%	mg/g	
β-Myrcene	0.0010	0.4109	4.109	Q3		cis-Farnesol	0.0010	ND	ND	Q3
β-Caryophyllene	0.0010	0.3284	3.284	Q3		cis-Nerolidol	0.0010	ND	ND	Q3
D,L-Limonene	0.0010	0.1890	1.890	Q3		γ-Terpinene	0.0010	ND	ND	Q3
α-Humulene	0.0010	0.1144	1.144	Q3		Guaiol	0.0010	ND	ND	Q3
Linalool	0.0010	0.0862	0.862	Q3		Isoborneol	0.0010	ND	ND	Q3
α-Bisabolol	0.0010	0.0358	0.358	Q3		Isobornyl Acetate	0.0010	ND	ND	Q3
α-Terpineol	0.0010	0.0323	0.323	Q3		Isopulegol	0.0010	ND	ND	Q3
β-Pinene	0.0010	0.0315	0.315	Q3		m-Cymene	0.0010	ND	ND	Q3
Fenchone	0.0010	0.0249	0.249	Q3		Menthol	0.0010	ND	ND	Q3
Citronellol	0.0010	0.0143	0.143	Q3		L-Menthone	0.0010	ND	ND	Q3
α-Pinene	0.0010	0.0142	0.142	Q3		Nerol	0.0010	ND	ND	Q3
Geraniol	0.0010	0.0104	0.104	Q3		Nootkatone	0.0010	ND	ND	Q3
Caryophyllene Oxide	0.0010	0.0046	0.046	Q3		o,p-Cymene	0.0010	ND	ND	Q3
D,L-Borneol	0.0010	0.0045	0.045	Q3		Octyl Acetate	0.0010	ND	ND	Q3
Endo-Fenchyl Alcohol	0.0010	0.0043	0.043	Q3		Phytane	0.0010	ND	ND	Q3
Camphene	0.0010	0.0042	0.042	Q3		Piperitone	0.0010	ND	ND	Q3
Terpinolene	0.0010	0.0031	0.031	Q3		Pulegone	0.0010	ND	ND	Q3
Geranyl Acetate	0.0010	0.0031	0.031	Q3		Sabinene	0.0010	ND	ND	Q3
Eucalyptol	0.0010	0.0014	0.014	Q3		Sabinene Hydrate	0.0010	ND	ND	Q3
3-Carene	0.0010	ND	ND	Q3		Safranal	0.0010	ND	ND	Q3
α-Cedrene	0.0010	ND	ND	Q3		Terpinen-4-ol	0.0010	ND	ND	Q3
α-Phellandrene	0.0010	ND	ND	Q3		Thymol	0.0010	ND	ND	Q3
α-Terpine	0.0010	ND	ND	Q3		trans-Citral	0.0010	ND	ND	Q3
α-Thujone	0.0010	ND	ND	Q3		trans-Nerolidol	0.0010	ND	ND	Q3
Camphor	0.0010	ND	ND	Q3		trans-beta-Ocimene	0.0010	ND	ND	Q3
Carvone	0.0010	ND	ND	Q3		Valencene	0.0010	ND	ND	Q3
Cedrol	0.0010	ND	ND	Q3		Total		1.3177	13.177	

Primary Aromas

Hops	Cinnamon	Orange	Lavender	Chamomile

Date Tested: 07/10/2026 12:00 am
Terpenes analysis is not regulated by AZDHS.



Anthony Settanni
Lab Director
07/10/2026

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Qualifiers Definitions

Qualifier Notation	Qualifier Description
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 in subsection (L)(1) with respect to the reference spectra, indicating interference
L1	When testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, the percent recovery of a laboratory control sample is greater than the acceptance limits in subsection (K)(2)(c), but the sample's target analytes were not detected above the maximum allowable concentrations in Table 3.1 for the analytes in the sample
M1	The recovery from the matrix spike in subsection (K)(4) was: a. High, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria
M2	The recovery from the matrix spike in subsection (K)(4) was: b. Low, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria
M3	The recovery from the matrix spike in subsection (K)(4) was: c. Unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria
R1	The relative percent difference for the laboratory control sample and duplicate exceeded the limit in subsection (K)(3), but the recovery in subsection (K)(2) was within acceptance criteria
V1	The recovery from continuing calibration verification standards exceeded the acceptance limits in subsection (J) (1)(b), but the sample's target analytes were not detected above the maximum allowable concentrations in Table 3.1 for the analytes in the sample
Q1	Sample integrity was not maintained - Q1
Q2	The sample is heterogeneous, and sample homogeneity could not be readily achieved using routine laboratory practices - Used to denote that the sample as-received could not be fully pre-homogenized in packaging prior to microbiology analysis
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

Notes and Addenda:



Bryant Kearl
Chief Scientific Officer
07/10/2026

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Customer Supplied Information:



Bryant Kearl
Chief Scientific Officer
07/10/2026

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