

# Certificate of Analysis

## Project Packs

Phoenix, AZ 85009

Lic. #00000084ESFH12297246

**Sample: 2504LVL0318.1631**

Secondary License: ; Chain of Distribution:

Strain: Sparkplug; Batch Size: g; External Batch ID: SPRK250108

Sample Received: 04/10/2025; Report Created: 04/14/2025; Report Expiration: 04/14/2026

Sampling Date: 04/10/2025; Sampling Time: 7AM; Sampling Person: Salina Rippert


Harvest Date: 03/31/2025; Manufacturing Date: ; External Lot ID:

Date of Pickup: 04/10/2025 Time Collected: 11:00

**SPRK250108**

Plant, Flower - Cured



	<b>20.85%</b>	<b>ND</b>	<b>25.77%</b>
	Total THC	Total CBD	
	<b>3.00%</b>	<b>Complete</b> 8.5%	Total Cannabinoids (Q3)
	Total Terpenes (Q3)	Moisture (Q3)	

## Cannabinoids

Complete

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
THCa	0.17	22.19	221.9	
Δ9-THC	0.17	1.39	13.9	
Δ8-THC	0.17	ND	ND	Q3
THCVa	0.17	0.19	1.9	Q3
THCV	0.17	ND	ND	Q3
CBDa	0.17	ND	ND	
CBD	0.17	ND	ND	
CBDVa	0.17	ND	ND	Q3
CBDV	0.17	ND	ND	Q3
CBN	0.17	ND	ND	Q3
CBGa	0.17	1.58	15.8	Q3
CBG	0.17	<LOQ	<LOQ	Q3
CBCa	0.17	0.42	4.2	Q3
CBC	0.17	ND	ND	Q3
<b>Total</b>		<b>25.77</b>	<b>257.7</b>	<b>Q3</b>

Qualifiers:  
Date Tested: 04/11/2025 07:00 am

Total THC = THCa \* 0.877 + Δ9-THC  
Total CBD = CBDa \* 0.877 + CBD

The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Cannabinoid potency performed by HPLC-DAD per SOP-(1608). ADHS approved method for potency by HPLC-DAD for all listed analytes.

Retest 1

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## Terpenes

Analyte	LOQ	Result	Result	Qualifier	Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g			%	%	mg/g	
Farnesene	0.00	0.86	8.6	Q3	Caryophyllene	0.01	<LOQ	<LOQ	Q3
β-Caryophyllene	0.02	0.59	5.9	Q3	Oxide				
cis-Ocimene	0.00	0.59	5.9	Q3	Cedrol	0.01	ND	ND	Q3
Terpinolene	0.02	0.37	3.7	Q3	cis-Nerolidol	0.02	ND	ND	Q3
α-Humulene	0.01	0.18	1.8	Q3	Citronellol	0.12	ND	ND	Q3
β-Myrcene	0.01	0.15	1.5	Q3	Eucalyptol	0.01	ND	ND	Q3
δ-Limonene	0.02	0.04	0.4	Q3	Fenchol	0.01	<LOQ	<LOQ	Q3
α-Pinene	0.01	0.04	0.4	Q3	Fenchone	0.02	ND	ND	Q3
α-Phellandrene	0.01	0.03	0.3	Q3	γ-Terpineol	0.00	ND	ND	Q3
β-Pinene	0.02	0.03	0.3	Q3	Geraniol	0.23	ND	ND	Q3
α-Terpinene	0.01	0.03	0.3	Q3	Geranyl Acetate	0.01	ND	ND	Q3
Linalool	0.02	0.03	0.3	Q3	Guaiol	0.01	ND	ND	Q3
α-Terpineol	0.02	0.02	0.2	Q3	Isoborneol	0.12	ND	ND	Q3
γ-Terpinene	0.01	0.02	0.2	Q3	Isopulegol	0.01	ND	ND	Q3
α-Bisabolol	0.01	0.01	0.1	Q3	Menthol	0.01	ND	ND	Q3
trans-Ocimene	0.01	0.01	0.1	Q3	Nerol	0.01	ND	ND	Q3
3-Carene	0.02	<LOQ	<LOQ	Q3	Pulegone	0.01	ND	ND	Q3
α-Cedrene	0.01	ND	ND	Q3	p-Cymene	0.01	ND	ND	Q3
β-Eudesmol	0.01	<LOQ	<LOQ	Q3	Sabinene	0.01	ND	ND	Q3
Borneol	0.04	ND	ND	Q3	Sabinene Hydrate	0.01	ND	ND	Q3
Camphene	0.01	ND	ND	Q3	trans-Nerolidol	0.01	ND	ND	Q3
Camphor	0.05	ND	ND	Q3	Valencene	0.01	ND	ND	Q3

## Primary Aromas



Magnolia



Cinnamon



Earthy



Turpentine



Hops

**3.00%**

Total Terpenes

Qualifiers:  
Date Tested: 04/10/2025 12:00 am

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Qualifying code Q3: For informational purposes only.



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## Pesticides

Pass

Analyte	LOQ	Limit	Units	Status	Qualifier	Analyte	LOQ	Limit	Units	Status	Qualifier
	PPM	PPM	PPM				PPM	PPM	PPM		
Abamectin	0.040	0.500	ND	Pass	M1	Hexythiazox	0.050	1.000	ND	Pass	M1
Acephate	0.040	0.400	ND	Pass		Imazalil	0.050	0.200	ND	Pass	M1
Acetamiprid	0.050	0.200	ND	Pass	M1	Imidacloprid	0.050	0.400	ND	Pass	M1
Aldicarb	0.050	0.400	ND	Pass	M1	Kresoxim Methyl	0.040	0.400	ND	Pass	
Azoxystrobin	0.050	0.200	ND	Pass	M1	Malathion	0.050	0.200	ND	Pass	M1
Bifenazate	0.050	0.200	ND	Pass	M1	Metalaxyl	0.050	0.200	ND	Pass	L1
Bifenthrin	0.050	0.200	ND	Pass		Methiocarb	0.040	0.200	ND	Pass	M1
Boscalid	0.040	0.400	ND	Pass	M1	Methomyl	0.050	0.400	ND	Pass	
Carbaryl	0.050	0.200	ND	Pass	M1	Myclobutanil	0.050	0.200	ND	Pass	M1
Carbofuran	0.050	0.200	ND	Pass	M1	Naled	0.050	0.500	ND	Pass	
Chlorantraniliprole	0.050	0.200	ND	Pass	M1	Oxamyl	0.050	1.000	ND	Pass	M1
Chlorfenapyr	0.470	1.000	ND	Pass	R1	Paclobutrazol	0.050	0.400	ND	Pass	M1
Chlorpyrifos	0.050	0.200	ND	Pass	M1	Permethrins	0.050	0.200	ND	Pass	V1 M1
Clofentezine	0.050	0.200	ND	Pass		Phosmet	0.050	0.200	ND	Pass	M1
Cyfluthrin	0.460	1.000	ND	Pass		Piperonyl Butoxide	0.040	2.000	ND	Pass	M1
Cypermethrin	0.050	1.000	ND	Pass		Prallethrin	0.050	0.200	ND	Pass	M1
Daminozide	0.460	1.000	ND	Pass		Propiconazole	0.050	0.400	ND	Pass	M1
Dichlorvos (DDVP)	0.050	0.100	ND	Pass		Propoxur	0.050	0.200	ND	Pass	L1
Diazinon	0.050	0.200	ND	Pass	M1	Pyrethrins	0.470	1.000	ND	Pass	M1
Dimethoate	0.050	0.200	ND	Pass	M1	Pyridaben	0.050	0.200	ND	Pass	
Ethoprophos	0.050	0.200	ND	Pass	M1	Spinosad	0.050	0.200	ND	Pass	V1 M1
Etofenprox	0.050	0.400	ND	Pass		Spiromesifen	0.050	0.200	ND	Pass	M2
Etoxazole	0.050	0.200	ND	Pass	M1	Spirotetramat	0.050	0.200	ND	Pass	M1
Fenoxycarb	0.050	0.200	ND	Pass	V1 M1	Spiroxamine	0.050	0.400	ND	Pass	M1
Fenpyroximate	0.050	0.400	ND	Pass		Tebuconazole	0.050	0.400	ND	Pass	M1
Fipronil	0.050	0.400	ND	Pass	M1	Thiacloprid	0.050	0.200	ND	Pass	M1
Flonicamid	0.050	1.000	ND	Pass		Thiamethoxam	0.050	0.200	ND	Pass	M1
Fludioxonil	0.050	0.400	ND	Pass	M1	Trifloxystrobin	0.050	0.200	ND	Pass	M1

## Herbicides

Analyte	LOQ	Limit	Units	Status
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### Qualifiers:

Date Tested: 04/11/2025 12:00 am

Performed by LCMSMS per SOP-LM-021 and SOP-LM-022. ND = Not Detected; NR = Not Reported. Methods used per AZDHS R9-17-404.03 and pesticide limits set by AZDHS R9-17 Table 3.1. ADHS approved method for pesticide testing by LCMSMS for full list effective 5/1/2021.



1525 N Granite Reef Rd

Scottsdale, AZ

(480) 867-1520

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Matthew Schuberth  
Laboratory Director

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## Microbials

Pass

Analyte	Result	Result Units	Status	Qualifier
E. Coli	<10	CFU/G	Pass	
Salmonella	Not Detected	in one gram	Pass	
Aspergillus terreus	Not Detected	in one gram	Pass	
Aspergillus fumigatus, Aspergillus flavus, and Aspergillus niger	Not Detected	in one gram	Pass	

Qualifiers:

Date Tested: 04/14/2025 12:00 am

TNTC = Too Numerous to Count. The lower limit of quantification for E. coli is 10 CFU/g unless noted on the CoA by further dilution. Unless otherwise stated all quality control samples performed within specifications. Analysis Method/Instrumentation: E. coli plating via 3M Petrifilm per SOP-LM-019, Salmonella spp. And Aspergillus spp. detection by Bio-Rad CFX96 Deep Well real-time PCR per SOP-LM-016 & SOP-LM-017. Methods used per AZDHS R9-17-404.04 and microbial limits set by AZDHS R9-17 Table 3.1. ADHS approved method for microbials for all listed organisms.



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## Heavy Metals

Pass

Analyte	Result	LOQ	Limit	Status	Qualifier
	PPM	PPM	PPM		
Arsenic	ND	0.151	0.400	Pass	V1
Cadmium	<0.151	0.151	0.400	Pass	V1
Lead	ND	0.151	1.000	Pass	V1
Mercury	<0.151	0.151	0.200	Pass	V1

LEVEL ONE

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