

Certificate of Analysis

Project Packs

Phoenix, AZ 85009

Lic. #00000084ESFH12297246

Sample: 2507LVL0588.3054

Secondary License: ; Chain of Distribution:

Strain: Sparkplug; Batch Size: g; External Batch ID: SPRK250407

Sample Received: 07/02/2025; Report Created: 07/08/2025; Report Expiration: 07/08/2026

Sampling Date: 07/02/2025; Sampling Time: 7AM; Sampling Person: Salina Rippert

Harvest Date: 06/19/2025; Manufacturing Date: ; External Lot ID:

Date of Pickup: 07/02/2025 Time Collected: 10:30

SPRK250407

Plant, Flower - Cured



	28.57%	ND	33.51%
	Total THC	Total CBD	
	16.27 mg/g	Complete	Total Cannabinoids (Q3)
	Total Terpenes (Q3)	10.6% Moisture (Q3)	

Cannabinoids

Complete

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
THCa	0.16	32.04	320.4	
Δ9-THC	0.16	0.47	4.7	
Δ8-THC	0.08	ND	ND	Q3
THCVa	0.08	0.10	1.0	Q3
THCV	0.08	ND	ND	Q3
CBDa	0.16	ND	ND	
CBD	0.16	ND	ND	
CBDVa	0.08	ND	ND	Q3
CBDV	0.08	ND	ND	Q3
CBN	0.08	ND	ND	Q3
CBGa	0.08	0.41	4.1	Q3
CBG	0.08	0.20	2.0	Q3
CBCa	0.08	0.29	2.9	Q3
CBC	0.08	ND	ND	Q3
Total		33.51	335.1	Q3

Qualifiers:
Date Tested: 07/02/2025 12:00 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.

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Terpenes

Analyte	LOQ	Result	Result	Qualifier	Analyte	LOQ	Result	Result	Qualifier
	mg/g	mg/g	%			mg/g	mg/g	%	
β-Myrcene	0.10	6.60	0.660	Q3	Citronellol	1.03	ND	ND	Q3
β-Caryophyllene	0.21	3.79	0.379	Q3	Eucalyptol	0.10	ND	ND	Q3
δ-Limonene	0.21	2.52	0.252	Q3	Farnesene	0.02	ND	ND	Q3
Linalool	0.21	1.19	0.119	Q3	Fenchone	0.21	ND	ND	Q3
α-Humulene	0.10	0.96	0.096	Q3	γ-Terpinene	0.10	ND	ND	Q3
α-Bisabolol	0.10	0.53	0.053	Q3	γ-Terpineol	0.02	ND	ND	Q3
Fenchol	0.10	0.32	0.032	Q3	Geraniol	2.05	ND	ND	Q3
α-Terpineol	0.17	0.20	0.020	Q3	Geranyl Acetate	0.10	ND	ND	Q3
α-Pinene	0.10	0.16	0.016	Q3	Guaiol	0.10	ND	ND	Q3
3-Carene	0.21	ND	ND	Q3	Isoborneol	1.03	ND	ND	Q3
α-Cedrene	0.10	ND	ND	Q3	Isopulegol	0.10	ND	ND	Q3
α-Phellandrene	0.10	ND	ND	Q3	Menthol	0.10	ND	ND	Q3
α-Terpinene	0.10	ND	ND	Q3	Nerol	0.10	ND	ND	Q3
β-Eudesmol	0.10	ND	ND	Q3	Pulegone	0.10	ND	ND	Q3
β-Pinene	0.21	<LOQ	<LOQ	Q3	p-Cymene	0.10	ND	ND	Q3
Borneol	0.31	ND	ND	Q3	Sabinene	0.10	ND	ND	Q3
Camphene	0.10	<LOQ	<LOQ	Q3	Sabinene Hydrate	0.10	ND	ND	Q3
Camphor	0.41	ND	ND	Q3	Terpinolene	0.21	ND	ND	Q3
Caryophyllene	0.10	ND	ND	Q3	trans-Nerolidol	0.10	ND	ND	Q3
Oxide	0.10	ND	ND	Q3	trans-Ocimene	0.07	ND	ND	Q3
Cedrol	0.10	ND	ND	Q3	Valencene	0.10	ND	ND	Q3
cis-Nerolidol	0.21	ND	ND	Q3					
cis-Ocimene	0.03	ND	ND	Q3					

Primary Aromas



Hops



Cinnamon



Lemon



Lavender



Chamomile

16.27 mg/g

Total Terpenes

Qualifiers:

Date Tested: 07/03/2025 12:00 am

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

Herbicides

Analyte	LOQ	Limit	Units	Status
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Qualifiers:

Date Tested: 07/02/2025 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

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Matthew Schuberth
Laboratory Director

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SPRK250407

Plant, Flower - Cured



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: 07/03/2025 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	<0.098	0.098	0.400	Pass	
Cadmium	<0.098	0.098	0.400	Pass	
Lead	<0.098	0.098	1.000	Pass	
Mercury	<0.098	0.098	0.200	Pass	

LEVEL ONE

Qualifiers:
Date Tested: 07/08/2025 12:00 am

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