

Certificate of Analysis

Project Packs

Phoenix, AZ 85009

Lic. #00000084ESFH12297246

Sample: 2509LVL0759.4053

Secondary License: ; Chain of Distribution:

Strain: Sparkplug; Batch Size: g; External Batch ID: SPRKI250603

Sample Received: 09/03/2025; Report Completed: 09/05/2025; Report Expiration: 09/05/2026

Sampling Date: ; Sampling Time: 7AM; Sampling Person: Scott Interdonato

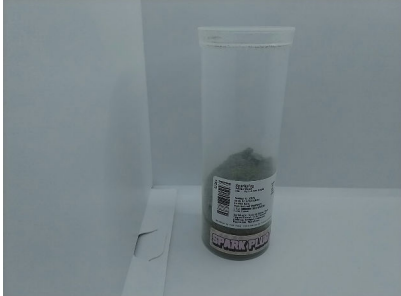
Harvest Date: 08/14/2025; Manufacturing Date: 09/03/2025; External Lot ID:

Date of Pickup: 09/03/2025 Time Collected: 10:24

SPRKI250603

Concentrates & Extracts, Infused/Enhanced Preroll



	39.36%	ND	45.55%
	Total THC	Total CBD	
	13.11 mg/g	Complete	Total Cannabinoids (Q3)
	Total Terpenes (Q3)	NR Moisture (Q3)	

Cannabinoids

Complete

Analyte	LOQ	Result	Result	Qualifier
	%	%	mg/g	
THCa	0.21	43.41	434.1	
Δ9-THC	0.21	1.30	13.0	
Δ8-THC	0.21	ND	ND	Q3
THCVa	0.21	<LOQ	<LOQ	Q3
THCV	0.21	ND	ND	Q3
CBDa	0.21	ND	ND	
CBD	0.21	ND	ND	
CBDVa	0.21	ND	ND	Q3
CBDV	0.21	ND	ND	Q3
CBN	0.21	ND	ND	Q3
CBGa	0.21	0.50	5.0	Q3
CBG	0.21	<LOQ	<LOQ	Q3
CBCa	0.21	0.35	3.5	Q3
CBC	0.21	ND	ND	Q3
Total		45.55	455.5	Q3

Qualifiers:
Date Tested: 09/04/2025 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-Caryophyllene	0.20	5.10	0.510	Q3	Citronellol	1.00	ND	ND	Q3
δ-Limonene	0.20	3.00	0.300	Q3	Eucalyptol	0.10	ND	ND	Q3
α-Humulene	0.10	1.31	0.131	Q3	Farnesene	0.02	ND	ND	Q3
β-Myrcene	0.10	0.92	0.092	Q3	Fenchone	0.20	ND	ND	Q3
Fenchol	0.10	0.87	0.087	Q3	γ-Terpinene	0.10	ND	ND	Q3
α-Terpineol	0.16	0.45	0.045	Q3	γ-Terpineol	0.02	ND	ND	Q3
Linalool	0.20	0.41	0.041	Q3	Geraniol	1.99	ND	ND	Q3
α-Bisabolol	0.10	0.32	0.032	Q3	Geranyl Acetate	0.10	ND	ND	Q3
α-Pinene	0.10	0.31	0.031	Q3	Guaiol	0.10	ND	ND	Q3
β-Pinene	0.20	0.21	0.021	Q3	Isoborneol	1.00	ND	ND	Q3
cis-Ocimene	0.03	0.21	0.021	Q3	Isopulegol	0.10	ND	ND	Q3
3-Carene	0.20	ND	ND	Q3	Menthol	0.10	ND	ND	Q3
α-Cedrene	0.10	ND	ND	Q3	Nerol	0.10	ND	ND	Q3
α-Phellandrene	0.10	ND	ND	Q3	Pulegone	0.10	ND	ND	Q3
α-Terpinene	0.10	ND	ND	Q3	p-Cymene	0.10	ND	ND	Q3
β-Eudesmol	0.10	ND	ND	Q3	Sabinene	0.10	ND	ND	Q3
Borneol	0.30	<LOQ	<LOQ	Q3	Sabinene Hydrate	0.10	ND	ND	Q3
Camphene	0.10	<LOQ	<LOQ	Q3	Terpinolene	0.20	<LOQ	<LOQ	Q3
Camphor	0.40	ND	ND	Q3	trans-Nerolidol	0.10	ND	ND	Q3
Caryophyllene	0.10	<LOQ	<LOQ	Q3	trans-Ocimene	0.07	ND	ND	Q3
Oxide	0.10	ND	ND	Q3	Valencene	0.10	ND	ND	Q3
Cedrol	0.10	ND	ND	Q3					
cis-Nerolidol	0.20	ND	ND	Q3					

Primary Aromas



Cinnamon



Lemon



Hops



Basil



Pine

13.11 mg/g

Total Terpenes

Qualifiers:

Date Tested: 09/04/2025 12:00 am

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Residual Solvents

Pass

Analyte	LOQ	Limit	Result	Status	Qualifier
	PPM	PPM	PPM		
Acetone	380.210	1000.000	ND	Pass	L1
Acetonitrile	154.560	410.000	ND	Pass	L1
Benzene	0.760	2.000	ND	Pass	
Butanes	2529.680	5000.000	ND	Pass	V1
Chloroform	22.770	60.000	ND	Pass	L1
Dichloromethane	231.360	600.000	ND	Pass	L1
Ethanol	1886.420	5000.000	ND	Pass	V1 L1
Ethyl-Acetate	1888.210	5000.000	ND	Pass	V1 L1
Ethyl-Ether	1880.840	5000.000	ND	Pass	L1
Heptane	1883.580	5000.000	ND	Pass	L1
Hexanes	108.580	290.000	ND	Pass	V1 L1
Isopropanol	1877.580	5000.000	ND	Pass	L1
Isopropyl-Acetate	1881.050	5000.000	ND	Pass	L1
Methanol	1125.680	3000.000	ND	Pass	L1
Pentanes	1893.260	5000.000	ND	Pass	V1 L1
Toluene	338.780	890.000	ND	Pass	L1
Xylenes	811.710	2170.000	ND	Pass	V1 L1

LEVEL ONE

Qualifiers:

Date Tested: 09/04/2025 07:00 am

Performed by GCMS-HS per SOP-LM-014. Methods used per AZDHS R9-17-404.03 and solvent limits set by AZDHS R9-17 Table 3.1. ADHS approved method for residual solvents by GCMS-HS for all listed analytes.



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Matthew Schuberth
Laboratory Director

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Concentrates & Extracts, Infused/Enhanced Preroll



Pesticides

Pass

Analyte	LOQ	Limit	Units	Status	Qualifier	Analyte	LOQ	Limit	Units	Status	Qualifier
	PPM	PPM	PPM				PPM	PPM	PPM		
Abamectin	0.030	0.500	ND	Pass		Hexythiazox	0.040	1.000	ND	Pass	
Acephate	0.040	0.400	ND	Pass		Imazalil	0.050	0.200	ND	Pass	
Acetamiprid	0.040	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	0.040	0.200	ND	Pass	
Bifenazate	0.050	0.200	ND	Pass		Metalaxyl	0.040	0.200	ND	Pass	
Bifenthrin	0.040	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	0.040	0.500	ND	Pass	
Chlorantraniliprole	0.040	0.200	ND	Pass		Oxamyl	0.040	1.000	ND	Pass	
Chlorfenapyr	0.460	1.000	ND	Pass		Paclobutrazol	0.050	0.400	ND	Pass	
Chlorpyrifos	0.050	0.200	ND	Pass		Permethrins	0.050	0.200	ND	Pass	
Clofentezine	0.050	0.200	ND	Pass		Phosmet	0.040	0.200	ND	Pass	
Cyfluthrin	0.450	1.000	ND	Pass		Piperonyl Butoxide	0.040	2.000	ND	Pass	
Cypermethrin	0.050	1.000	ND	Pass		Prallethrin	0.040	0.200	ND	Pass	
Daminozide	0.450	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	0.460	1.000	ND	Pass	
Dimethoate	0.050	0.200	ND	Pass		Pyridaben	0.050	0.200	ND	Pass	
Ethoprophos	0.040	0.200	ND	Pass		Spinosad	0.050	0.200	ND	Pass	
Etofenprox	0.050	0.400	ND	Pass		Spiromesifen	0.050	0.200	ND	Pass	
Etoxazole	0.040	0.200	ND	Pass		Spirotetramat	0.050	0.200	ND	Pass	
Fenoxycarb	0.050	0.200	ND	Pass		Spiroxamine	0.040	0.400	ND	Pass	
Fenpyroximate	0.040	0.400	ND	Pass		Tebuconazole	0.050	0.400	ND	Pass	
Fipronil	0.040	0.400	ND	Pass		Thiacloprid	0.050	0.200	ND	Pass	
Flonicamid	0.050	1.000	ND	Pass		Thiamethoxam	0.050	0.200	ND	Pass	
Fludioxonil	0.040	0.400	ND	Pass		Trifloxystrobin	0.050	0.200	ND	Pass	

Herbicides

Analyte	LOQ	Limit	Units	Status
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Qualifiers:

Date Tested: 09/04/2025 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.



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Concentrates & Extracts, Infused/Enhanced Preroll



Mycotoxins

Pass

Total Ochratoxins Date Tested: 09/04/2025

Total Aflatoxins Date Tested: 09/04/2025

Analyte	LOQ	Limit	Result	Status	Qualifier
	µg/kg	µg/kg	µg/kg		
Total Aflatoxins (B1 B2 G1 and G2)	4.00	20.00	ND	Pass	
Total Ochratoxins (A and B)	2.00	20.00	ND	Pass	

LEVEL ONE

TNTC = Too Numerous to Count. The lower limit of quantification for Aflatoxin is 4ppb and the lower limit of quantification for Ochratoxin is 2ppb unless noted on the CoA by further dilution. Unless otherwise stated all quality control samples performed within specifications. Analysis Method/Instrumentation: direct ELISA produced by Romer Labs and read on Bio-Tek 800TS microplate reader. Procedure followed SOP-LM-018. Methods used per AZDHS R9-17-404.03 and R9-17-404.04 and limits set by AZDHS R9-17 Table 3.1. ADHS approved method.



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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: 09/04/2025 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	<0.097	0.097	0.400	Pass	
Cadmium	<0.097	0.097	0.400	Pass	
Lead	<0.097	0.097	1.000	Pass	
Mercury	<0.097	0.097	0.200	Pass	

LEVEL ONE

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