

## 42056

**Sample ID:** 2407EAZ0100.0357  
**Strain:** Tropical Sapphire Kush  
**Matrix:** Concentrates & Extracts  
**Type:** Distillate  
**Batch#:** 42056

**Collected:** 07/24/2024  
**Received:** 07/24/2024  
**Completed:** 07/26/2024 06:52 PM  
**Sample Size:** 6 g;

**Harvest Date:** 02/21/2024  
**Manufacture Date:** 07/24/2024  
**External Lot ID#:** 10209  
**Production Method:** Alcohol

**Client:** **mfused**  
**Lic. #** 00000062DCAY00861940  
7655 E Evans Rd,  
Suite 120,  
Scottsdale, AZ, 85260



### Summary

Test	Date Tested	Instr. Method	Result
Batch			Pass
Cannabinoids	07/24/2024	LC-UV VIS	Complete
Microbial Impurities	07/25/2024	3M Plating & qPCR	Pass

### Cannabinoids

Method: SOPAZ\_M-CANNABINOIDS

**92.441 %**

Total THC

**0.400 %**

Total CBD

**96.425 %**

Total Cannabinoids

Analytes	LOQ	Result	Result	Q
	mg/g	%	mg/g	
THCA	0.755	10.384	103.84	
Δ9 THC	0.755	83.335	833.35	
Δ8 THC	0.755	ND	ND	
THCVA	0.755	ND	ND	
THCV	0.755	0.739	7.39	
CBDA	0.755	ND	ND	
CBD	0.755	0.400	4.00	
CBN	0.755	0.419	4.19	
CBGA	0.755	ND	ND	
CBG	0.755	1.747	17.47	
CBCA	0.755	ND	ND	
CBC	0.755	0.679	6.79	
<b>Total THC</b>		<b>92.441</b>	<b>924.41</b>	
<b>Total CBD</b>		<b>0.400</b>	<b>4.00</b>	
<b>Total Cannabinoids</b>		<b>96.425</b>	<b>964.25</b>	Q3
<b>Sum of Cannabinoids</b>		<b>97.702</b>	<b>977.02</b>	Q3

Total THC = THCa \* 0.877 + Δ9-THC; Total CBD = CBDA \* 0.877 + CBD; Total Cannabinoids = (cannabinoid acid forms \* 0.877) + cannabinoids; Sum of Cannabinoids = cannabinoid acid forms + cannabinoids; LOQ = Limit of Quantitation; NT = Not Tested; ND = Not Detected Moisture Method: SOPAZ\_M-MOISTURE



*Kevin Nolan*  
Kevin Nolan  
Laboratory Technical Director | 07/26/2024

*Firas Haddad*  
Firas Haddad  
Laboratory Manager | 07/26/2024



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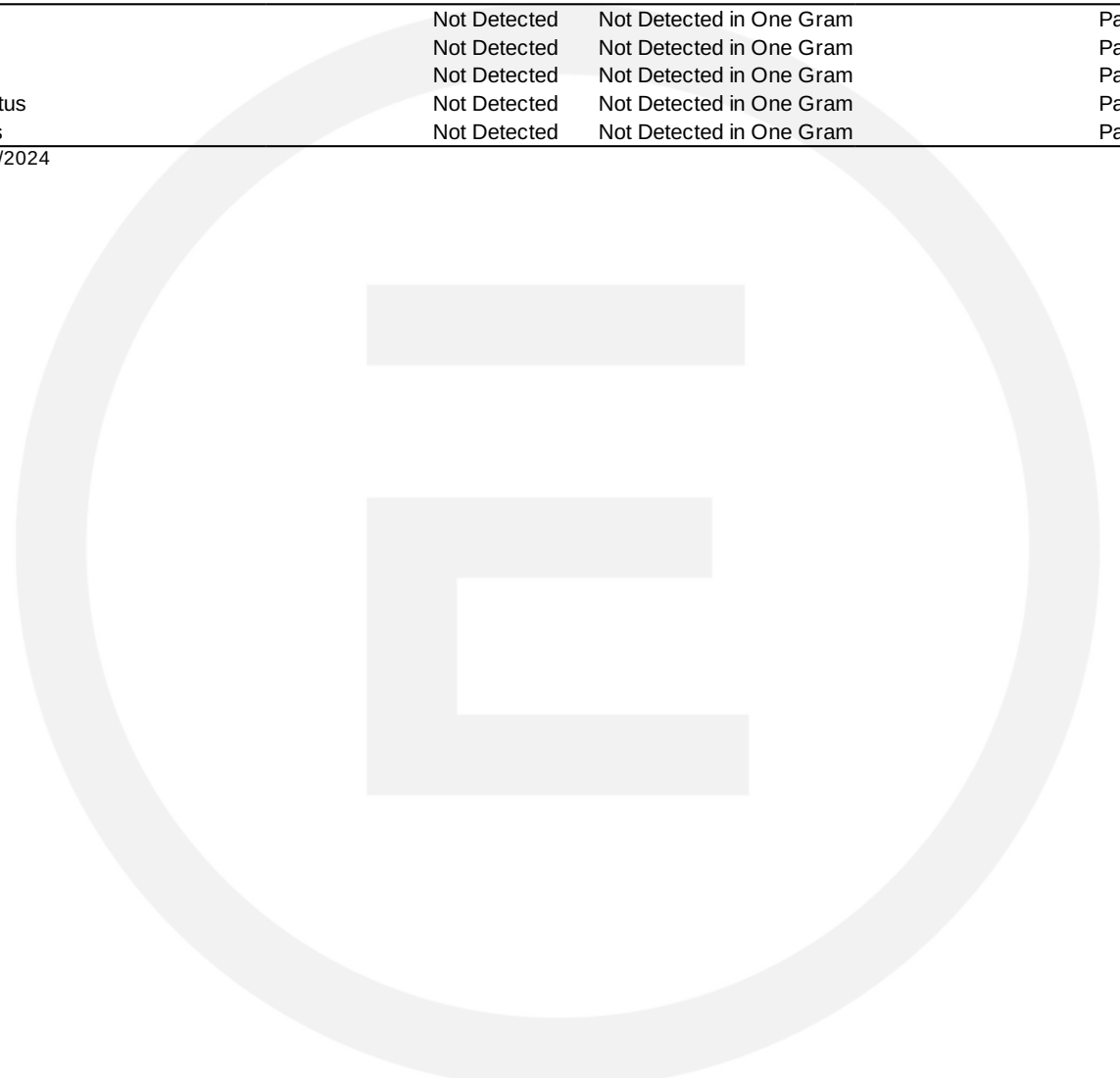
**Microbial Impurities**

Method: SOPAZ\_M-ECOLI

Analytes	Result	Limit	Status	Q
Escherichia coli	0	< 100 CFU/g	Pass	
Date Tested: 07/25/2024				

Method: SOPAZ\_M-MICROBIALS

Analytes	Result	Limit	Status	Q
Salmonella spp	Not Detected	Not Detected in One Gram	Pass	
Aspergillus flavus	Not Detected	Not Detected in One Gram	Pass	
Aspergillus niger	Not Detected	Not Detected in One Gram	Pass	
Aspergillus fumigatus	Not Detected	Not Detected in One Gram	Pass	
Aspergillus terreus	Not Detected	Not Detected in One Gram	Pass	
Date Tested: 07/25/2024				



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Laboratory Technical Director | 07/26/2024

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Laboratory Manager | 07/26/2024



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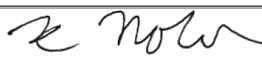
Client  
**mfused**  
Lic. # 00000062DCAY00861940  
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## Qualifier Legend

- B1** *The target analyte detected in the calibration blank required or the method blank is at or above the limit of quantitation, but the sample result for potency testing, is below the limit of quantitation.*
- B2** *The target analyte detected in the calibration blank required or the method blank is at or above the limit of quantitation, but the sample result when testing for pesticides, fungicides, growth regulators, mycotoxins, heavy metals, or residual solvents, is 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 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, but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample.*
- 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 according to R9-17- 404.06(B)(3)(d)(ii)*
- Q1** *Sample integrity was not maintained.*
- Q2** *The sample is heterogeneous, 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.*
- R1** *The relative percent difference for the laboratory control sample and duplicate exceeded the limit, but the recovery was within acceptance criteria.*
- R2** *The relative percent difference for a sample and duplicate exceeded the limit.*
- V1** *The recovery from initial or continuing calibration verification standards is greater than the acceptance limits, but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample.*

## Report Notes



  
Kevin Nolan  
Laboratory Technical Director | 07/26/2024

  
Firas Haddad  
Laboratory Manager | 07/26/2024



# 10209

**Sample ID:** 2405FSL0103.0836  
**Strain:** Live Diamond Mother  
**Matrix:** Concentrates & Extracts  
**Type:** Distillate  
**Sample Size:** 14.13 g; **Batch:**

**Harvest Date:** 02/21/2024  
**Manufacture Date:** 05/02/2024  
**Received:** 05/06/2024  
**Completed:** 06/25/2024  
**Batch#:** 10209  
**External Lot#:** 10209

**Client:** **mfused**  
**Lic. #** 0000156ESTDP70697204  
 7655 E Evans Rd  
 Scottsdale, AZ 85260

**Lab Sample Collection Date/Time:** 05/02/2024 4:30 PM  
**Production Method:** Alcohol  
**Distribution Chain:** MFUSED -0000156ESTDP70697204  
**Flower Cultivated by:** Cardinal Square (The Pharm)  
**License #**00000114DCPD00232092  
**Extraction Performed by:** Dreem Green Inc-Jars  
**Cannabis-** 00000078ESQG10647381



## Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	05/06/2024	Complete
Residual Solvents	05/06/2024	Pass
Microbials	05/07/2024	Pass
Mycotoxins	05/07/2024	Pass
Pesticides	05/07/2024	Pass
Heavy Metals	05/06/2024	Pass

## Cannabinoids

Complete


<b>93.87%</b>	<b>0.33%</b>	<b>99.16%</b>
Total THC	Total CBD	Total Cannabinoids (Q3)

Analyte	LOQ	Result	Result	Qualifier
	mg/g	mg/g	%	
THCa	1.00	117.60	11.760	
Δ9-THC	1.00	835.54	83.554	
Δ8-THC	1.00	ND	ND	
THCV	1.00	6.84	0.684	
CBDa	1.00	ND	ND	
CBD	1.00	3.27	0.327	
CBDV	1.00	ND	ND	
CBN	1.00	4.51	0.451	
CBGa	1.00	ND	ND	
CBG	1.00	17.64	1.764	
CBC	1.00	6.17	0.617	
<b>Total</b>		<b>991.58</b>	<b>99.158</b>	

Date Tested: 05/06/2024

Total THC = THCa \* 0.877 + Δ9-THC Total CBD = CBDa \* 0.877 + CBD Instrument: HPLC-DAD ; Method: FSL-SOP-401



  
 Symon Levenberg, PhD  
 Technical Lab Director  
 06/25/2024

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# 10209

<b>Sample ID:</b> 2405FSL0103.0836	<b>Harvest Date:</b> 02/21/2024	<b>Client:</b>	<b>Lab Sample Collection Date/Time:</b> 05/02/2024 4:30 PM
<b>Strain:</b> Live Diamond Mother	<b>Manufacture Date:</b> 05/02/2024	<b>mfused</b>	
<b>Matrix:</b> Concentrates & Extracts	<b>Received:</b> 05/06/2024	<b>Lic. #</b> 0000156ESTDP70697204	<b>Production Method:</b> Alcohol
<b>Type:</b> Distillate	<b>Completed:</b> 06/25/2024	7655 E Evans Rd	<b>Distribution Chain:</b> MFUSED -0000156ESTDP70697204
<b>Sample Size:</b> 14.13 g; Batch:	<b>Batch#:</b> 10209	Scottsdale, AZ 85260	<b>Flower Cultivated by:</b> Cardinal Square (The Pharm)
	<b>External Lot#:</b> 10209		<b>License #</b> 00000114DCPD00232092
			<b>Extraction Performed by:</b> Dreem Green Inc-Jars
			<b>Cannabis-</b> 00000078ESQG10647381

## Pesticides

Pass

Analyte	LOQ	Limit	Mass	Status	Qualifier	Analyte	LOQ	Limit	Mass	Status	Qualifier
	µg/g	µg/g	µg/g				µg/g	µg/g	µg/g		
Abamectin	0.25	0.5	ND	Pass		Hexythiazox	0.5	1	ND	Pass	
Acephate	0.25	0.5	ND	Pass		Imazalil	0.1	0.2	ND	Pass	
Acetamiprid	0.1	0.2	ND	Pass		Imidacloprid	0.2	0.4	ND	Pass	
Aldicarb	0.2	0.4	ND	Pass		Kresoxim Methyl	0.2	0.4	ND	Pass	
Azoxystrobin	0.1	0.2	ND	Pass		Malathion	0.1	0.2	ND	Pass	
Bifenazate	0.1	0.2	ND	Pass		Metaxyl	0.1	0.2	ND	Pass	
Bifenthrin	0.1	0.2	ND	Pass		Methiocarb	0.1	0.2	ND	Pass	
Boscalid	0.2	0.4	ND	Pass		Methomyl	0.2	0.4	ND	Pass	
Carbaryl	0.1	0.2	ND	Pass		Myclobutanil	0.1	0.2	ND	Pass	
Carbofuran	0.1	0.2	ND	Pass		Naled	0.25	0.5	ND	Pass	
Chlorantraniliprole	0.1	0.2	ND	Pass		Oxamyl	0.5	1	ND	Pass	
Chlorfenapyr	0.5	1	ND	Pass		Paclobutrazol	0.2	0.4	ND	Pass	
Chlorpyrifos	0.1	0.2	ND	Pass		Permethrins	0.1	0.2	ND	Pass	
Clofentezine	0.1	0.2	ND	Pass		Phosmet	0.1	0.2	ND	Pass	
Cyfluthrin	0.5	1	ND	Pass		Piperonyl	1	2	ND	Pass	
Cypermethrin	0.5	1	ND	Pass		Butoxide					
Daminozide	0.5	1	ND	Pass		Prallethrin	0.1	0.2	ND	Pass	
Diazinon	0.1	0.2	ND	Pass		Propiconazole	0.2	0.4	ND	Pass	
Dichlorvos	0.05	0.1	ND	Pass		Propoxur	0.1	0.2	ND	Pass	
Dimethoate	0.1	0.2	ND	Pass		Pyrethrins	0.5	1	ND	Pass	
Ethoprophos	0.1	0.2	ND	Pass		Pyridaben	0.1	0.2	ND	Pass	
Etofenprox	0.2	0.4	ND	Pass		Spinosad	0.1	0.2	ND	Pass	
Etoxazole	0.1	0.2	ND	Pass		Spiromesifen	0.1	0.2	ND	Pass	
Fenoxycarb	0.1	0.2	ND	Pass		Spirotetramat	0.1	0.2	ND	Pass	
Fenpyroximate	0.2	0.4	ND	Pass		Spiroxamine	0.2	0.4	ND	Pass	
Fipronil	0.2	0.4	ND	Pass		Tebuconazole	0.2	0.4	ND	Pass	
Flonicamid	0.5	1	ND	Pass		Thiacloprid	0.1	0.2	ND	Pass	
Fludioxonil	0.2	0.4	ND	Pass		Thiamethoxam	0.1	0.2	ND	Pass	
						Trifloxystrobin	0.1	0.2	ND	Pass	

Date Tested: 05/07/2024  
Instrument: LC-MS/MS ; Method: FSL-SOP-411



*Symon Levenberg*  
Symon Levenberg, PhD  
Technical Lab Director  
06/25/2024

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<b>Strain:</b> Live Diamond Mother	<b>Manufacture Date:</b> 05/02/2024	<b>mfused</b>	
<b>Matrix:</b> Concentrates & Extracts	<b>Received:</b> 05/06/2024	<b>Lic. #</b> 0000156ESTDP70697204	<b>Production Method:</b> Alcohol
<b>Type:</b> Distillate	<b>Completed:</b> 06/25/2024	<b>7655 E Evans Rd</b>	<b>Distribution Chain:</b> MFUSED -0000156ESTDP70697204
<b>Sample Size:</b> 14.13 g; Batch:	<b>Batch#:</b> 10209	<b>Scottsdale, AZ 85260</b>	<b>Flower Cultivated by:</b> Cardinal Square (The Pharm)
	<b>External Lot#:</b> 10209		<b>License #</b> 00000114DCPD00232092
			<b>Extraction Performed by:</b> Dreem Green Inc-Jars
			<b>Cannabis-</b> 00000078ESQG10647381

## Microbials

**Pass**

Analyte	Result	Status	Qualifier
Aspergillus flavus	Not Detected in 1g	Pass	
Aspergillus fumigatus	Not Detected in 1g	Pass	
Aspergillus niger	Not Detected in 1g	Pass	
Aspergillus terreus	Not Detected in 1g	Pass	
Salmonella SPP	Not Detected in 1g	Pass	
E. Coli	ND	Pass	

Date Tested: 05/07/2024  
 Instrument: qPCR & 3M PetriFilm; Method: FSL-SOP-301, FSL-SOP-302, FSL-SOP-303

## Mycotoxins

**Pass**

Analyte	LOQ µg/kg	Limit µg/kg	Units µg/kg	Status	Qualifier
B1	10		ND	Tested	
B2	10		ND	Tested	
G1	10		ND	Tested	
G2	10		ND	Tested	
Total Aflatoxins	10	20	ND	Pass	
Ochratoxin A	10	20	ND	Pass	


Date Tested: 05/07/2024  
 Instrument: LC-MS/MS; Method: FSL-SOP-411

## Heavy Metals

**Pass**

Analyte	LOQ PPM	Limit PPM	Units PPM	Status	Qualifier
Arsenic	0.2	0.4	ND	Pass	
Cadmium	0.2	0.4	ND	Pass	
Lead	0.5	1	<LOQ	Pass	
Mercury	0.1	0.2	ND	Pass	

Date Tested: 05/06/2024  
 Instrument: ICP-MS; Method: FSL-SOP-404

Symon Levenberg, PhD  
 Technical Lab Director  
 06/25/2024

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License #00000114DCPD00232092  
Extraction Performed by: Dreem Green Inc-Jars  
Cannabis- 00000078ESQG10647381

## Residual Solvents

Pass

Analyte	LOQ	Limit	Mass	Status	Qualifier
	µg/g	µg/g	µg/g		
Acetone	500	1000	ND	Pass	
Acetonitrile	205	410	ND	Pass	
Benzene	1	2	ND	Pass	
Butanes	2500	5000	ND	Pass	
Chloroform	30	60	ND	Pass	
Dichloromethane	300	600	ND	Pass	
Ethanol	2500	5000	ND	Pass	
Ethyl-Acetate	2500	5000	ND	Pass	
Ethyl-Ether	2500	5000	ND	Pass	
Heptane	2500	5000	ND	Pass	
Hexanes	145	290	ND	Pass	
Isopropanol	2500	5000	ND	Pass	
Isopropyl-Acetate	2500	5000	ND	Pass	
Methanol	1500	3000	ND	Pass	
Pentanes	2500	5000	ND	Pass	
Toluene	445	890	ND	Pass	
Xylenes	1085	2170	ND	Pass	

Date Tested: 05/06/2024  
Instrument: HS-GC-MS; Method: FSL-SOP-406



Symon Levenberg, PhD  
Technical Lab Director  
06/25/2024

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