

Royal Diesel.B8B9B.32.2025.

Sample ID: 2508APO3776.18759

Strain: Royal Diesel

Matrix: Plant

Type: Flower - Cured

Source Batch #:

Collected: 08/27/2025 03:15 pm

Received: 08/27/2025

Completed: 09/03/2025

Batch #: Royal Diesel.B8B9B.32.2025.

Harvest Date: 08/06/2025

Client

The Pharm / Sunday Goods

Lic. # 00000099ESVM28064808

Lot #:

Production/Manufacture Date:

Production/Manufacture Method:



Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	08/28/2025	Complete
Terpenes	09/02/2025	Complete
Microbials	09/02/2025	Pass
Pesticides	08/28/2025	Pass
Heavy Metals	08/28/2025	Pass

Cannabinoids by SOP-6

Complete

16.2020 %	ND	18.5762 %	2.4166 %
Total THC	Total CBD	Total Cannabinoids ^(Q3)	Total Terpenes ^(Q3)

Analyte	LOD %	LOQ %	Result %	Result mg/g	Q
THCa		0.1000	17.1878	171.878	
Δ9-THC		0.1000	1.1283	11.283	
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	0.2601	2.601	
CBG		0.1000	<LOQ	<LOQ	
CBC		0.1000	ND	ND	
Total THC			16.2020	162.0204	
Total CBD			ND	ND	
Total			18.5762	185.7620	

Date Tested: 08/28/2025 07:00 am



Anthony Settanni
Anthony Settanni
Lab Director
09/03/2025

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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: 08/28/2025 07:00 am



Anthony Settanni

Anthony Settanni
Lab Director
09/03/2025

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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	
Aspergillus Flavus Aspergillus Fumigatus or Aspergillus Niger by QPCR: SOP-14	Detected/Not Detected in 1g	ND	Pass	
Aspergillus Terreus by QPCR: SOP-14	Detected/Not Detected in 1g	ND	Pass	

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

Date Tested: 09/02/2025 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: 08/28/2025 12:00 am



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Terpenes

Analyte	LOQ	Result	Result	Q		Analyte	LOQ	Result	Result	Q
	%	%	mg/g				%	%	mg/g	
β-Caryophyllene	0.0010	0.7311	7.311	Q3		Cedrol	0.0010	ND	ND	Q3
β-Myrcene	0.0010	0.6835	6.835	Q3		cis-Farnesol	0.0010	ND	ND	Q3
D,L-Limonene	0.0010	0.3282	3.282	Q3		cis-Nerolidol	0.0010	ND	ND	Q3
α-Humulene	0.0010	0.1648	1.648	Q3		Citronellol	0.0010	ND	ND	Q3
trans-Nerolidol	0.0010	0.1505	1.505	Q3		Eucalyptol	0.0010	ND	ND	Q3
Linalool	0.0010	0.1150	1.150	Q3		γ-Terpinene	0.0010	ND	ND	Q3
α-Bisabolol	0.0010	0.0714	0.714	Q3		Geranyl Acetate	0.0010	ND	ND	Q3
β-Pinene	0.0010	0.0443	0.443	Q3		Guaiol	0.0010	ND	ND	Q3
α-Terpineol	0.0010	0.0314	0.314	Q3		Isoborneol	0.0010	ND	ND	Q3
Endo-Fenchyl Alcohol	0.0010	0.0284	0.284	Q3		Isobornyl Acetate	0.0010	ND	ND	Q3
α-Pinene	0.0010	0.0215	0.215	Q3		Isopulegol	0.0010	ND	ND	Q3
Caryophyllene Oxide	0.0010	0.0141	0.141	Q3		m-Cymene	0.0010	ND	ND	Q3
Fenchone	0.0010	0.0068	0.068	Q3		Menthol	0.0010	ND	ND	Q3
Camphene	0.0010	0.0066	0.066	Q3		L-Menthone	0.0010	ND	ND	Q3
trans-Citral	0.0010	0.0064	0.064	Q3		Nerol	0.0010	ND	ND	Q3
D,L-Borneol	0.0010	0.0043	0.043	Q3		Nootkatone	0.0010	ND	ND	Q3
Terpinolene	0.0010	0.0040	0.040	Q3		o,p-Cymene	0.0010	ND	ND	Q3
Valencene	0.0010	0.0027	0.027	Q3		Octyl Acetate	0.0010	ND	ND	Q3
Geraniol	0.0010	0.0017	0.017	Q3		Piperitone	0.0010	ND	ND	Q3
3-Carene	0.0010	ND	ND	Q3		Pulegone	0.0010	ND	ND	Q3
α-Cedrene	0.0010	ND	ND	Q3		Sabinene	0.0010	ND	ND	Q3
α-Phellandrene	0.0010	ND	ND	Q3		Sabinene Hydrate	0.0010	ND	ND	Q3
α-Terpinene	0.0010	ND	ND	Q3		Terpinen-4-ol	0.0010	ND	ND	Q3
α-Thujone	0.0010	ND	ND	Q3		Thymol	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		Total		2.4166	24.166	

Primary Aromas

Cinnamon	Hops	Orange	Lavender	Chamomile

Date Tested: 09/02/2025 12:00 am
Terpenes analysis is not regulated by AZDHS.



Anthony Settanni
Lab Director
09/03/2025

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Qualifiers Definitions

Qualifier Notation	Qualifier Description
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
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:



[Signature]

Bryant Kearl
Chief Scientific Officer
09/03/2025

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Customer Supplied Information:



Bryant Kearn
Chief Scientific Officer
09/03/2025

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