

Sample **Royal OG**

Delta9 THC	0.07%	THCa	1.34%	Total THC (THCa * 0.877 + THC)	1.24%	Delta8 THC	ND
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Sample ID	SD251219-101 (130143)	Matrix	Flower
Tested for	Fern Valley Farms		
Sampled	-	Received	Dec 19, 2025
Analyses executed	CAN+, TER, MWA	Reported	Dec 23, 2025

* CAN+ - Cannabinoids

Analyzed Dec 19, 2025 | Instrument HPLC-VWD | Method SOP-001
The expanded Uncertainty of the Cannabinoids analysis is approximately ±7.81% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
Cannabidiol (CBD)	0.039	0.16	ND	ND
Cannabidiolol (CBDl)	0.011	0.03	ND	ND
Cannabidiolol Acid (CBDA)	0.033	0.16	20.77	207.72
Cannabigerol Acid (CBGA)	0.033	0.16	0.52	5.18
Cannabigerol (CBG)	0.048	0.16	0.08	0.77
Cannabidiol (CBD)	0.069	0.229	0.69	6.90
Tetrahydrocannabivarin (THCV)	0.049	0.16	ND	ND
Cannabinol (CBN)	0.047	0.16	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.092	0.307	0.07	0.68
Δ8-tetrahydrocannabinol (Δ8-THC)	0.044	0.16	ND	ND
Cannabicyclol (CBL)	0.0012	0.16	ND	ND
Cannabichromene (CBC)	0.13	0.432	0.12	1.22
Tetrahydrocannabinolol Acid (THCA)	0.117	0.389	1.34	13.37
Total THC (THCa * 0.877 + Δ9THC)			1.24	12.41
Total THC + Δ8THC (THCa * 0.877 + Δ9THC + Δ8THC)			1.24	12.41
Total CBD (CBDA * 0.877 + CBD)			18.91	189.07
Total CBG (CBGa * 0.877 + CBG)			0.53	5.31
Total Cannabinoids Analyzed			20.80	208.01

*Dry Weight %

TER - Terpenes

Analyzed Dec 22, 2025 | Instrument GC/FID | Method SOP-002

Analyte	LOD mg/g	LOQ mg/g	(%)	(mg/g)	Analyte	LOD mg/g	LOQ mg/g	(%)	(mg/g)
α-Pinene (α-Pin)	0.128	0.427	ND	ND	Camphene (Cam)	0.147	0.492	ND	ND
Myrcene (Myr)	0.073	0.244	ND	ND	b-Pinene (b-Pin)	0.413	1.377	ND	ND
3-Carene (3-Car)	0.11	0.366	ND	ND	α-Terpinene (α-Ter)	0.099	0.331	ND	ND
α-Ocimene (α-Oci)	0.055	0.182	ND	ND	Limonene (Lim)	0.081	0.268	ND	ND
p-Cymene (p-Cym)	0.104	0.347	ND	ND	b-Ocimene (b-Oci)	0.085	0.282	ND	ND
Eucalyptol (Euc)	0.19	0.634	ND	ND	g-Terpinene (g-Ter)	0.108	0.361	ND	ND
Terpenolene (Terp)	0.119	0.395	ND	ND	Linalool (Lin)	0.146	0.487	ND	ND
Isopulegol (Isop)	0.139	0.464	ND	ND	Geraniol (Gera)	0.177	0.589	ND	ND
b-Caryophyllene (b-Cary)	0.132	0.44	0.37	3.72	α-Humulene (Hum)	0.183	0.608	0.16	1.62
cis-Nerolidol (ci-Ner)	0.129	0.431	ND	ND	trans-Nerolidol (tr-Ner)	0.093	0.31	ND	ND
Guaiol (Guo)	0.15	0.499	ND	ND	Caryophyllene Oxide (CarOx)	0.183	0.611	ND	ND
α-bisabolol (α-Bbis)	0.159	0.529	ND	ND					
Total Terpene Concentration								0.53 %	5.34 mg/g

MWA - Moisture Content & Water Activity

Analyzed Dec 19, 2025 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	LOD a _w	LOQ a _w	Result	Limit	Analyte	LOD % M/w	LOQ % M/w	Result	Limit
Water Activity (WA)	0.03	0.03	0.55 a _w	0.85 a _w	Moisture (Moi)	0.0	0.0	7.8 % Mw	13 % Mw

UI Unidentified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Quantification
<LOQ Detected
>ULOL Above upper limit of linearity
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count



DEA license: **RP0611043**
ISO/IEC 17025:2017 Acc. 85368



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Quality Assurance Manager
Tue, 23 Dec 2025 15:02:17 -0800

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