



Certificate of Analysis

Provided for quality control or research and development purposes.

Powered by Confident LIMS
1 of 11

Strain: Royal OG

Batch#: ; Batch Size: g

Sample Received: 11/06/2025; Report Created: 11/17/2025

Harvest/Production Date:

Sampling: Random; Environment: Room Temp

Royal OG

Plant, Hemp

Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Analyte



Cannabinoids

1689 HPLC5 20251107-7

11/07/2025 | METRC THC RPD Status: Tested ; METRC CBD RPD Status: Tested ; METRC Δ8-THC RPD Status: Tested

Pass

0.71%

Total THC* (Calculated
Decarboxylated Potential)

15.83%

Total CBD** (Calculated
Decarboxylated Potential)

19.63%

Total Cannabinoids Analyzed

Moisture

11.2%

15.0 Limit

Water
Activity

NR

0.655 Limit

Microbial Potential

Analyte	LOQ	Mass	
		mg/g	%
THCa	0.4	0.72	7.2
Δ9-THC	0.4	0.08	0.8
Δ8-THC	0.4	<LOQ	<LOQ
THCV	0.4	<LOQ	<LOQ
CBDa	0.4	17.57	175.7
CBD	0.4	0.42	4.2
CBDV	0.4	<LOQ	<LOQ
CBN	0.4	<LOQ	<LOQ
CBGa	0.4	0.69	6.9
CBG	0.4	0.09	0.9
CBC	0.4	0.07	0.7
Total		19.63	196.3

Method: CH SOP 4400

*Total THC = THCa * 0.877 + Δ9-THC. **Total CBD = CBDa * 0.877 + CBD. LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected

>ULOQ = above upper LOQ. ChemHistory estimates its internal laboratory uncertainty acceptance limits to be 7% for sample cannabinoid potency results.



5691 SE International Way
Portland, OR
(503) 305-5252
<http://chemhistory.com>
Lic# OLCC 010-1002015CASE ORELAP 4057

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Sampling: Random; Environment: Room Temp

Royal OG

Plant, Hemp

Harvest Process Lot: ; METRC Batch: ; METRC

Sample:

Pesticides

138 LCQQQ7 20251107-2
11/08/2025

Pass

Analyte	LOQ	Limit	Result	Status	Analyte	LOQ	Limit	Result	Status
	PPB	PPB	PPB			PPB	PPB	PPB	
Abamectin	200	500	<LOQ	Pass	Imazalil	100	200	<LOQ	Pass
Acephate	100	400	<LOQ	Pass	Imidacloprid	100	400	<LOQ	Pass
Acequinocyl	400	2000	<LOQ	Pass	Kresoxim Methyl	100	400	<LOQ	Pass
Acetamiprid	100	200	<LOQ	Pass	Malathion	100	200	<LOQ	Pass
Aldicarb	200	400	<LOQ	Pass	Metaxyl	100	200	<LOQ	Pass
Azoxystrobin	100	200	<LOQ	Pass	Methiocarb	100	200	<LOQ	Pass
Bifenazate	100	200	<LOQ	Pass	Methomyl	100	400	<LOQ	Pass
Bifenthrin	100	200	<LOQ	Pass	Methyl Parathion	100	200	<LOQ	Pass
Boscalid	200	400	<LOQ	Pass	MGK-264	100	200	<LOQ	Pass
Carbaryl	100	200	<LOQ	Pass	Myclobutanil	100	200	<LOQ	Pass
Carbofuran	100	200	<LOQ	Pass	Naled	100	500	<LOQ	Pass
Chlorantraniliprole	100	200	<LOQ	Pass	Oxamyl	100	1000	<LOQ	Pass
Chlorfenapyr	400	1000	<LOQ	Pass	Paclobutrazol	100	400	<LOQ	Pass
Chlorpyrifos	100	200	<LOQ	Pass	Permethrins	100	200	<LOQ	Pass
Clofentezine	100	200	<LOQ	Pass	Phosmet	100	200	<LOQ	Pass
Cyfluthrin	400	1000	<LOQ	Pass	Piperonyl Butoxide	100	2000	<LOQ	Pass
Cypermethrin	400	1000	<LOQ	Pass	Prallethrin	100	200	<LOQ	Pass
Daminozide	400	1000	<LOQ	Pass	Propiconazole	200	400	<LOQ	Pass
Diazinon	100	200	<LOQ	Pass	Propoxur	100	200	<LOQ	Pass
Dichlorvos	200	1000	<LOQ	Pass	Pyrethrins	200	1000	<LOQ	Pass
Dimethoate	100	200	<LOQ	Pass	Pyridaben	100	200	<LOQ	Pass
Ethoprophos	100	200	<LOQ	Pass	Spinosad	100	200	<LOQ	Pass
Etofenprox	200	400	<LOQ	Pass	Spiromesifen	100	200	<LOQ	Pass
Etoxazole	100	200	<LOQ	Pass	Spirotetramat	100	200	<LOQ	Pass
Fenoxycarb	100	200	<LOQ	Pass	Spiroxamine	100	400	<LOQ	Pass
Fenpyroximate	200	400	<LOQ	Pass	Tebuconazole	100	400	<LOQ	Pass
Fipronil	100	400	<LOQ	Pass	Thiacloprid	100	200	<LOQ	Pass
Flonicamid	200	1000	<LOQ	Pass	Thiamethoxam	100	200	<LOQ	Pass
Fludioxonil	200	400	<LOQ	Pass	Trifloxystrobin	100	200	<LOQ	Pass
Hexythiazox	200	1000	<LOQ	Pass					

Method: Modified AOAC 2007.01, Triple Quad analysis; LOQ = Limit of Quantification; PPB = Parts Per Billion; ND = Not Detected; NR = Not Reported; ORELAP ID 4057. ChemHistory estimates its internal laboratory uncertainty acceptance limits to be 7% for sample pesticide results.

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Royal OG

Plant, Hemp

Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Heavy Metals

1117 ICPMS1 20251107-9

11/07/2025 12:00

Pass

Analyte	Result	LOQ	Limit	Status
	PPB	PPB	PPB	
Arsenic	<LOQ	100.0	200.0	Pass
Cadmium	<LOQ	100.0	200.0	Pass
Lead	<LOQ	250.0	500.0	Pass
Mercury	<LOQ	50.0	100.0	Pass

ChemHistory estimates its internal laboratory uncertainty acceptance limits to be 14.5% for sample heavy metal results.
Method: Modified AOAC 2013.06.



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Royal OG

Plant: Hemp

Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Microbials (3M Petrifilm)

7584003012 MA1 20251108-2

11/08/2025

Pass

Analyte	Units	Status
	CFU/g	
Yeast & Mold	NR	NT
E. Coli	NR	NT
Coliforms	NR	NT
Aerobic Bacteria	NR	NT
Enterobacteriaceae	NR	NT

Salmonella Plant Method - CH SOP 4606, STEC Plant Method - CH SOP 4607; CN Asp, STEC, & Salm Method - CH SOP 4610

Molecular Assays (RT-qPCR)

7584003012 MA1 20251108-2

11/08/2025

Pass

Analyte	Result	Status
Shiga Toxin E. Coli	Negative	Tested
Aspergillus	NR	NT
Salmonella	Negative	Tested



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Royal OG

Plant, Hemp

Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Mycotoxins

138 LCQQQ7 20251107-2

Pass

Analyte	LOQ	Limit	Result	Status
	PPB	PPB	PPB	
B1	10.00		<LOQ	Tested
B2	10.00		<LOQ	Tested
G1	10.00		<LOQ	Tested
G2	10.00		<LOQ	Tested
Ochratoxin A	10.00	20.00	<LOQ	Pass
Total Aflatoxins	10.00	20.00	<LOQ	Pass

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