



# Certificate of Analysis

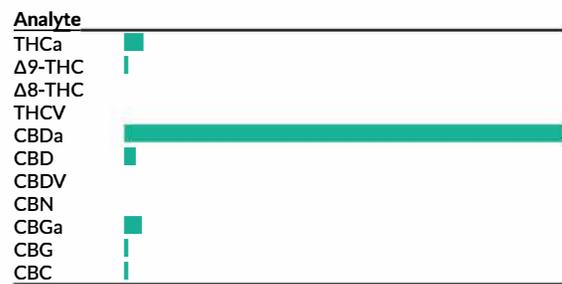
Provided for quality control or research and development purposes.

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:



## 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

<h3>0.71%</h3> <p>Total THC* (Calculated Decarboxylated Potential)</p>	<h3>15.83%</h3> <p>Total CBD** (Calculated Decarboxylated Potential)</p>						
<h3>19.63%</h3> <p>Total Cannabinoids Analyzed</p>	<table border="1"> <tr> <td>Moisture</td> <td>Water Activity</td> </tr> <tr> <td><b>11.2%</b></td> <td><b>NR</b></td> </tr> <tr> <td>15.0 Limit</td> <td>0.655 Limit</td> </tr> </table> <p>Microbial Potential</p>	Moisture	Water Activity	<b>11.2%</b>	<b>NR</b>	15.0 Limit	0.655 Limit
Moisture	Water Activity						
<b>11.2%</b>	<b>NR</b>						
15.0 Limit	0.655 Limit						

Analyte	LOQ	Mass %	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
<b>Total</b>		<b>19.63</b>	<b>196.3</b>

Method: CH SOP 4400  
\*Total THC = THCa \* 0.877 + d9-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.



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## 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	Metalaxyl	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
Etoazole	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

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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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Sampling: Random; Environment: Room Temp

## Royal OG

Plant, Hemp  
Harvest Process Lot: ; METRC Batch: ; METRC Sample:

## Mycotoxins

138 LCQQ7 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

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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