



# Green Leaf Lab

12025 NE Marx St. Portland, OR 97220  
503-253-3511 / www.greenleaflabs.com  
License#: 10029074C70

## Quality Control Testing Official Report

### Royal OG

Sample ID: G3L0153-01

Matrix: Industrial Hemp

Test ID: 5022962

Source ID:

Date Sampled: 12/11/23

Date Accepted: 12/11/23

**3DNE Growers**  
info@3dnegrowers.com

### Results at a Glance

Total THC : 0.89 %

Total CBD : 16 %

Total CBG : 0.38 %

Percent Moisture : 8.81 % **PASS**



Eric Wendt  
Chief Science Officer - 12/13/2023

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Test ID: 5022962  
Source ID:  
Date Sampled: 12/11/23 Date Accepted: 12/11/23

**3DNE Growers**  
info@3dnegrowers.com

### Potency Analysis

Date/Time Extracted: 12/12/23 10:29

Analysis Method/SOP: 215

Batch Identification: 2350016

	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile	
Total THC	0.010	0.89	8.9		
Total CBD	0.009	16	160		
Total CBG	0.0009	0.38	3.8		
THCA	0.0005	0.90	9		
delta 9-THC	0.0005	0.10	1		
delta 8-THC	0.005	< LOQ	< LOQ		
THCV	0.006	< LOQ	< LOQ		
THCVA	0.002	< LOQ	< LOQ		
CBD	0.002	0.74	7.4		
CBDA	0.002	18	180		
CBDV	0.005	< LOQ	< LOQ		
CBDVA	0.002	0.063	0.63		
CBN	0.003	< LOQ	< LOQ		
CBG	0.0009	0.044	0.44		
CBGA	0.0009	0.38	3.8		
CBC	0.010	0.14	1.4		

### Moisture

Date/Time Extracted: 12/12/23 12:55

Analysis Method/SOP: 103

Moisture: 8.81 %

Action Level: 90%

Potency results are reported on a dry weight basis.

Total THC = delta 9-THC + (THCA \* 0.877)

Total CBD = CBD + (CBDA \* 0.877)

Total CBG = CBG + (CBGA \* 0.878)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.

THCA, delta 9-THC, delta 8-THC, CBDA and CBD are accredited by TNI 2016 and ISO 17025



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### Quality Control Potency

Batch: 2350016 - 215-Hemp

Blank(2350016-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	< LOQ	0.0005	%		12/12/23 10:29	12/12/23 21:52	
delta 9-THC	< LOQ	0.0005	%		12/12/23 10:29	12/12/23 21:52	
delta 8-THC	< LOQ	0.004	%		12/12/23 10:29	12/12/23 21:52	
THCV	< LOQ	0.005	%		12/12/23 10:29	12/12/23 21:52	
THCVA	< LOQ	0.002	%		12/12/23 10:29	12/12/23 21:52	
CBD	< LOQ	0.0005	%		12/12/23 10:29	12/12/23 21:52	
CBDA	< LOQ	0.0005	%		12/12/23 10:29	12/12/23 21:52	
CBDV	< LOQ	0.005	%		12/12/23 10:29	12/12/23 21:52	
CBDVA	< LOQ	0.002	%		12/12/23 10:29	12/12/23 21:52	
CBN	< LOQ	0.003	%		12/12/23 10:29	12/12/23 21:52	
CBG	< LOQ	0.0008	%		12/12/23 10:29	12/12/23 21:52	
CBGA	< LOQ	0.0008	%		12/12/23 10:29	12/12/23 21:52	
CBC	< LOQ	0.009	%		12/12/23 10:29	12/12/23 21:52	

Reference(2350016-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
THCA	93.9	0.0005	%	90-110	12/12/23 10:29	12/12/23 22:15	
delta 9-THC	94.9	0.0005	%	90-110	12/12/23 10:29	12/12/23 22:15	
delta 8-THC	90.6	0.004	%	90-110	12/12/23 10:29	12/12/23 22:15	
CBD	107	0.0005	%	90-110	12/12/23 10:29	12/12/23 22:15	
CBDA	95.0	0.0005	%	90-110	12/12/23 10:29	12/12/23 22:15	

### Moisture Content

Batch: 2350012 - 103

Blank(2350012-BLK1)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.480		%		12/12/23 12:55	12/12/23 12:55	

Blank(2350012-BLK2)							
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	0.480		%		12/12/23 12:55	12/12/23 12:55	

Reference(2350012-SRM1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	100		%	80-120	12/12/23 12:55	12/12/23 12:55	

Reference(2350012-SRM2)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Percent Moisture	100		%	80-120	12/12/23 12:55	12/12/23 12:55	



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### Notes and Definitions

Regulatory Compliance samples were collected onsite at facility according to SOP-402 and SOP-403 and following Sampling Plan FN117. Quality Control samples were tested as received. Results do not include uncertainty of measurements. Available upon request.

- ATM Non-cannabis matrix related interference or suppression of Internal standard
- BLI Baseline Interference - Cannabinoid peak interference in chromatographic baseline affecting QC recovery .
- BLK Analyte detected in method blank, but not associated samples.
- BSH Blank Spike High - Blank Spike recovery above method limit. no detections in samples.
- BSL Blank Spike Low - Blank Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.
- CBD Interference due to co-elution
- CV1 CBD matrix interference on GC Pest chromatography
- CV2 CCV was above acceptance criteria, Non-detect samples are considered acceptable.
- INF CCV was below acceptance criteria, sample still exceeds regulatory limit.
- ISH One or more QC falls outside acceptance criteria. Data entered into LIMS for informational purposes only.
- ISL Internal Standard concentration is above acceptance criteria.
- MSH Internal Standard concentration is below acceptance criteria.
- MSI Matrix Spike High - Matrix Spike recovery above method limits.
- MSL Matrix Spike Interference - Matrix spike source sample contains analyte hit above calibration affecting recovery accuracy in Matrix Spike.
- U Matrix Spike Low - Matrix Spike recovery below lower method limit, analyte chromatography reviewed manually for all samples.  
Internal Standard concentration outside control limit due to matrix interference



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