

Grateful Greenery

40399 Reuben Leigh Rd
Lowell, OR 97452
kcanady@gratefulgreenery.com
(541) 525-1453
Lic. #020-10030431B80

Sample: 1812CH0150.0740

Strain: Royal Highness #18
Batch#: a1; Batch Size: 1873.33 - grams
Sample Received: 12/14/2018; Report Created: 12/19/2018; Expires: 12/19/2019
Harvest/Production Date: 11/14/2018
Sampling: Random; Environment: Room Temp

Royal Highness #18

Plant, Flower - Cured, Light Deprivation
Harvest Process Lot: 181114; METRC Batch: 1A4010300017AE900001084; METRC Sample: 1A4010300017AE900001143



Pass

Pesticides

Moisture	Water Activity
9.0%	0.418
	Limit

Microbial Potential

Cannabinoids

308 HPLC3 20181214-1
12/14/2018 | METRC THC RPD Status: Not Tested

Pass

14.58%

Total THC* (Calculated
Decarboxylated Potential)

0.05%

Total CBD** (Calculated
Decarboxylated Potential)

16.98%

Total Cannabinoids Analyzed

Analyte	LOQ mg/g	Mass %	Mass mg/g
THCa		15.91	159.1
Δ9-THC		0.63	6.3
Δ8-THC	<LOQ	<LOQ	<LOQ
THCVa	<LOQ	<LOQ	<LOQ
THCV	<LOQ	<LOQ	<LOQ
CBDa		0.05	0.5
CBD	<LOQ	<LOQ	<LOQ
CBDV	<LOQ	<LOQ	<LOQ
CBNa	<LOQ	<LOQ	<LOQ
CBN	<LOQ	<LOQ	<LOQ
CBGa		0.31	3.1
CBG		0.05	0.5
CBCa	<LOQ	<LOQ	<LOQ
CBC		0.02	0.2
CBLa	<LOQ	<LOQ	<LOQ
Total		16.98	169.8

*Total THC = THCa * 0.877 + d9-THC. **Total CBD = CBDa * 0.877 + CBD. LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected

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Pesticides

327 LCQQQ3 20181217-1

Pass

Analyte	LOQ	Limit	Mass	Status	Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB			PPB	PPB	PPB	
Abamectin	400	500	<LOQ	Pass	Imazalil	100	200	<LOQ	Pass
Acephate	100	400	<LOQ	Pass	Imidacloprid	100	400	<LOQ	Pass
Acequinocyl	750	2000	<LOQ	Pass	Kresoxim Methyl	100	400	<LOQ	Pass
Acetamiprid	100	200	<LOQ	Pass	Malathion	100	200	<LOQ	Pass
Aldicarb	300	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	150	200	<LOQ	Pass	Permethrins	150	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	150	200	<LOQ	Pass
Daminozide	400	1000	<LOQ	Pass	Propiconazole	200	400	<LOQ	Pass
Diazinon	100	200	<LOQ	Pass	Propoxur	100	200	<LOQ	Pass
Dichlorvos	150	1000	<LOQ	Pass	Pyrethrins	400	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	150	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	150	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

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Terpenes

398 GCFID1 20181216-1
12/16/2018

Analyte	Mass %	Mass mg/g	LOQ %	Analyte	Mass %	Mass mg/g	LOQ %
α-Pinene	0.12	1.2	█	Isoborneol	<LOQ	<LOQ	
Camphene	<LOQ	<LOQ		Borneol	<LOQ	<LOQ	
Sabinene	<LOQ	<LOQ		Hexahydro Thymol	<LOQ	<LOQ	
(-) -β-Pinene	0.03	0.3		α-Terpineol	0.01	0.1	
β-Myrcene	0.55	5.5	█	γ-Terpineol	<LOQ	<LOQ	
α-Phellandrene	<LOQ	<LOQ		Nerol	<LOQ	<LOQ	
δ-3-Carene	<LOQ	<LOQ		Pulegone	<LOQ	<LOQ	
α-Terpinene	<LOQ	<LOQ		Geraniol	<LOQ	<LOQ	
p-Isopropyltoluene	<LOQ	<LOQ		Farnesene	0.02	0.2	
δ-Limonene	0.04	0.4		α-Cedrene	<LOQ	<LOQ	
Eucalyptol	<LOQ	<LOQ		β-Caryophyllene	0.28	2.8	█
Ocimene 1	<LOQ	<LOQ		α-Humulene	0.07	0.7	█
Ocimene 2	0.09	0.9	█	Valencene	0.02	0.2	
γ-Terpinene	<LOQ	<LOQ		Geranyl Acetate	<LOQ	<LOQ	
Sabinene Hydrate	<LOQ	<LOQ		cis-Nerolidol	0.22	2.2	█
Fenchone	<LOQ	<LOQ		β-Nerolidol	0.24	2.4	█
Terpinolene	<LOQ	<LOQ		trans-Nerolidol	<LOQ	<LOQ	
Linalool	0.02	0.2		Caryophyllene Oxide	0.01	0.1	
Endo-Fenchyl Alcohol	0.01	0.1		(-) -Guaiol	<LOQ	<LOQ	
Camphor	<LOQ	<LOQ		Cedrol	<LOQ	<LOQ	
(-) -Isopulegol	<LOQ	<LOQ		(-) -α-Bisabolol	0.03	0.3	

Primary Aromas



Method: GC-FID; based on dry weight; LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected

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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
308 HPLC3 20181214-1	PMB12141801F	Cannabinoids	Blank

QC Notes

None

Compounds	Blank Result	Blank Max % (LOQ)	Blank Result %	Notes
THCa	0	0.05	<LOQ	-
Δ9-THC	0	0.05	<LOQ	-
CBDa	0	0.05	<LOQ	-
CBD	0	0.05	<LOQ	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
308 HPLC3 20181214-1	PLCS12141801F	Cannabinoids	Lab Control Sample

QC Notes

None

Compounds	LCS Result (%)	LCS Spike	LCS % Rec	% Limits	Notes
THCa	4.5	4.45	101.12	70 - 130	-
Δ9-THC	3.6	3.47	103.75	70 - 130	-
CBDa	5.55	5.69	97.54	70 - 130	-
CBD	3.6	3.55	101.41	57 - 143	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
308 HPLC3 20181214-1	PMS12141801F	Cannabinoids	Spike

QC Notes

None

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
THCa	0.02	1.89	<20	137	70 - 130	Above Limit Range
Δ9-THC	0.02	3.08	<20	99	70 - 130	-
CBDa	0.02	0	<20	79	70 - 130	-
CBD	0.02	<LOQ	<LOQ	91	70 - 130	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
177 GCQQQ2 20181218-2	MRMB12141801P	Required Pesticides	Blank

QC Notes

None

Compounds	LOQ (PPB)	Blank Result PPB	Notes
Chlorfenapyr	400	<LOQ	-
Cyfluthrin	400	<LOQ	-
Cypermethrin	400	<LOQ	-
Fipronil	100	<LOQ	-
Fludioxonil	200	<LOQ	-
MGK-264	100	<LOQ	-
Methyl Parathion	100	<LOQ	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
327 LCQQQ3 20181217-1	MRMB12141801P LC	Required Pesticides	Blank

QC Notes

None

Compounds	LOQ (PPB)	Blank Result PPB	Notes
Acephate	100	<LOQ	
Acequinocyl	750	<LOQ	
Acetamiprid	100	<LOQ	
Aldicarb	300	<LOQ	
Abamectin	400	<LOQ	
Azoxystrobin	100	<LOQ	
Bifenazate	100	<LOQ	
Bifenthrin	100	<LOQ	
Boscalid	200	<LOQ	
Carbaryl	100	<LOQ	
Carbofuran	100	<LOQ	
Chlorantraniliprole	100	<LOQ	
Chlorpyrifos	150	<LOQ	
Clofentezine	100	<LOQ	
Daminozide	400	<LOQ	
Diazinon	100	<LOQ	
Dichlorvos	150	<LOQ	
Dimethoate	100	<LOQ	
Ethoprophos	100	<LOQ	
Etofenprox	200	<LOQ	
Etoxazole	100	<LOQ	
Fenoxycarb	100	<LOQ	
Fenpyroximate	200	<LOQ	
Flonicamid	200	<LOQ	
Hexythiazox	200	<LOQ	
Imazalil	100	<LOQ	
Imidacloprid	100	<LOQ	
Kresoxim Methyl	100	<LOQ	
Malathion	100	<LOQ	
Metalaxyl	100	<LOQ	



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
327 LCQQQ3 20181217-1	MRMB12141801P LC	Required Pesticides	Blank

QC Notes

None

Compounds	LOQ (PPB)	Blank Result PPB	Notes
Methiocarb	100	<LOQ	
Methomyl	100	<LOQ	
Myclobutanil	100	<LOQ	
Naled	100	<LOQ	
Oxamyl	100	<LOQ	
Paclobutrazol	100	<LOQ	
Permethrin	150	<LOQ	
Phosmet	100	<LOQ	
Piperonyl Butoxide	100	<LOQ	
Prallethrin	150	<LOQ	
Propiconazole	200	<LOQ	
Propoxur	100	<LOQ	
Pyrethrins	400	<LOQ	
Pyridaben	100	<LOQ	
Spinosad	100	<LOQ	
Spiromesifen	100	<LOQ	
Spirotetramat	100	<LOQ	
Spiroxaminat	150	<LOQ	
Tebuconazole	100	<LOQ	
Thiacloprid	100	<LOQ	
Thiamethoxam	150	<LOQ	
Trifloxystrobin	100	<LOQ	



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
177 GCQQQ2 20181218-2	MRLCS12141801P	Required Pesticides	Lab Control Sample

QC Notes

None

Compounds	LCS % Rec	% Limits	Notes
Chlorfenapyr	104	69 - 132	-
Cyfluthrin	100	68 - 136	-
Cypermethrin	102	67 - 134	-
Fipronil	98	67 - 136	-
Fludioxonil	99	69 - 139	-
MGK-264	94	65 - 145	-
Parathion Methyl	110	66 - 131	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
327 LCQQQ3 20181217-1	MRLCS12141801P LC	Required Pesticides	Lab Control Sample

QC Notes

None

Compounds	LCS % Rec	LCS % Limits	Notes
Acephate	93.89	56 - 149	-
Acequinocyl	56.01	30 - 142	-
Acetamiprid	93.53	56 - 149	-
Aldicarb	96.25	53 - 150	-
Abamectin	77.09	30 - 140	-
Azoxystrobin	92.91	55 - 138	-
Bifenazate	98.9	53 - 137	-
Bifenthrin	104.25	30 - 150	-
Boscalid	91.32	55 - 142	-
Carbaryl	92.14	56 - 150	-
Carbofuran	99.5	57 - 142	-
Chlorantraniliprole	92.35	54 - 141	-
Chlorpyrifos	109.41	34 - 150	-
Clofentezine	107.95	44 - 150	-
Daminozide	547.85	30 - 150	Above Limit Range
Diazinon	90.94	55 - 134	-
Dichlorvos	99.67	49 - 149	-
Dimethoate	97.61	56 - 149	-
Ethoprophos	97.61	52 - 143	-
Etofenprox	100.34	46 - 140	-
Etoxazole	70.4	50 - 134	-
Fenoxycarb	100.4	53 - 139	-
Fenproximate	79.69	45 - 127	-
Flonicamid	98.4	55 - 145	-
Hexythiazox	95.37	39 - 141	-
Imazalil	75.08	40 - 149	-
Imidacloprid	95.23	54 - 150	-
Kresoxim Methyl	102.43	57 - 139	-
Malathion	100.02	51 - 147	-
Metalaxyl	92.2	58 - 142	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
327 LCQQQ3 20181217-1	MRLCS12141801P LC	Required Pesticides	Lab Control Sample

QC Notes

None

Compounds	LCS % Rec	LCS % Limits	Notes
Methiocarb	96.79	50 - 150	-
Methomyl	96.44	55 - 150	-
Myclobutanil	95.07	54 - 145	-
Naled	99.44	49 - 146	-
Oxamyl	90.93	56 - 147	-
Paclobutrazol	88.64	56 - 139	-
Permethrin	100.76	30 - 138	-
Phosmet	102.04	57 - 146	-
Piperonyl Butoxide	90.4	48 - 146	-
Prallethrin	102.37	53 - 146	-
Propiconazole	84.19	49 - 129	-
Propoxur	97.35	56 - 150	-
Pyrethrins	93.43	30 - 150	-
Pyridaben	94.05	50 - 132	-
Spinosad	59.47	30 - 150	-
Spiromesifen	101.08	52 - 136	-
Spirotetramat	91.26	46 - 150	-
Spiroxamine	62.28	30 - 150	-
Tebuconazole	88.89	48 - 136	-
Thiacloprid	94.62	47 - 150	-
Thiamethoxam	94.7	57 - 147	-
Trifloxystrobin	96.56	46 - 147	-



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Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
177 GCQQQ2 20181218-2	MRMS12141801P	Required Pesticides	Spike

QC Notes

None

Compounds	Matrix Spike Duplicate % RPD	RPD Max %	% RPD Result	Matrix Spike % Rec	% Limits	Notes
Chlorfenapyr	17.07	20	<20	107.28	62 - 130	
Cyfluthrin	7	20	<20	95.04	63 - 128	
Cypermethrin	5.46	20	<20	100.09	58 - 126	
Fipronil	4.47	20	<20	97.79	62 - 134	
Fludioxonil	11.15	20	<20	95.23	62 - 139	
MGK-264	10.64	20	<20	92.42	56 - 150	
Methyl Parathion	11.15	20	<20	107.91	63 - 135	



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Royal Highness #18

Plant, Flower - Cured, Light Deprivation
Harvest Process Lot: 181114; METRC Batch: 1A4010300017AE900001084; METRC Sample: 1A4010300017AE900001143



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
327 LCQQQ3 20181217-1	MRMS12141801P LC	Required Pesticides	Spike

QC Notes

None

Compounds	Matrix Spike Duplicate % RPD	RPD Max %	% RPD Result	Matrix Spike % Rec	% Limits	Notes
Acephate	5.47	30	<30	96.72	52 - 150	-
Acequinocyl	0.95	30	<30	51.85	30 - 147	-
Acetamiprid	6.43	30	<30	97.26	47 - 148	-
Aldicarb	9.56	30	<30	103.99	48 - 145	-
Abamectin	21.25	30	<30	90.17	41 - 150	-
Azoxystrobin	4.7	30	<30	95.17	50 - 150	-
Bifenazate	6.98	30	<30	104.68	50 - 150	-
Bifenthrin	8.05	30	<30	98.42	46 - 150	-
Boscalid	11.65	30	<30	94.71	50 - 150	-
Carbaryl	3.88	30	<30	94.15	57 - 150	-
Carbofuran	5.03	30	<30	103.95	51 - 150	-
Chlorantraniliprole	6.23	30	<30	94.63	52 - 150	-
Chlorpyrifos	3.61	30	<30	116.22	30 - 150	-
Clofentezine	5.16	30	<30	118.18	53 - 146	-
Daminozide	9.24	30	<30	539.83	30 - 150	Above Limit Range
Diazinon	7.66	30	<30	97.69	41 - 145	-
Dichlorvos	4.9	30	<30	101.84	54 - 141	-
Dimethoate	6.27	30	<30	102.29	49 - 149	-
Ethoprophos	4.66	30	<30	100.86	47 - 146	-
Etofenprox	5.84	30	<30	105.71	38 - 150	-
Etoxazole	0.6	30	<30	76.91	34 - 150	-
Fenoxycarb	7.87	30	<30	102.42	54 - 150	-
Fenpyroximate	8.09	30	<30	65.08	34 - 150	-
Flonicamid	6.64	30	<30	102.85	45 - 143	-
Hexythiazox	1.98	30	<30	95.85	30 - 150	-
Imazalil	10.73	30	<30	87.38	30 - 147	-
Imidacloprid	6.53	30	<30	95.02	43 - 148	-
Kresoxim Methyl	7.66	30	<30	110.71	56 - 144	-
Malathion	5.6	30	<30	105.67	55 - 150	-
Metalaxyl	5.73	30	<30	94.95	50 - 150	-



Grateful Greenery

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Sample: 1812CH0150.0740

Strain: Royal Highness #18
Batch#: a1; Batch Size: 1873.33 - grams
Sample Received: 12/14/2018; Report Created: 12/19/2018; Expires: 12/19/2019
Harvest/Production Date: 11/14/2018
Sampling: Random; Environment: Room Temp

Royal Highness #18

Plant, Flower - Cured, Light Deprivation
Harvest Process Lot: 181114; METRC Batch: 1A4010300017AE9000001084; METRC Sample: 1A4010300017AE9000001143



Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
327 LCQQQ3 20181217-1	MRMS12141801P LC	Required Pesticides	Spike

QC Notes

None

Compounds	Matrix Spike Duplicate % RPD	RPD Max %	% RPD Result	Matrix Spike % Rec	% Limits	Notes
Methiocarb	6.45	30	<30	103.25	50 - 150	-
Methomyl	5.47	30	<30	99.52	42 - 150	-
Myclobutanil	3.31	30	<30	99.72	43 - 150	-
Naled	7.61	30	<30	105.98	46 - 150	-
Oxamyl	5.83	30	<30	94.06	41 - 150	-
Paclobutrazol	7.2	30	<30	95.98	47 - 150	-
Permethrin	3.72	30	<30	81.82	37 - 150	-
Phosmet	4.35	30	<30	105.02	35 - 150	-
Piperonyl Butoxide	4.2	30	<30	93.03	30 - 149	-
Prallethrin	1.77	30	<30	103.44	46 - 150	-
Propiconazole	4.39	30	<30	91.56	40 - 150	-
Propoxur	3.82	30	<30	102.15	53 - 150	-
Pyrethrins	7.43	30	<30	116.43	30 - 150	-
Pyridaben	4.8	30	<30	97.14	41 - 150	-
Spinosad	10.41	30	<30	77.6	30 - 150	-
Spiromesifen	6.18	30	<30	94.85	43 - 150	-
Spirotetramat	7.44	30	<30	96.31	48 - 150	-
Spiroxamine	10.16	30	<30	74.86	30 - 143	-
Tebuconazole	5.4	30	<30	97.08	45 - 150	-
Thiacloprid	5.59	30	<30	97.51	50 - 147	-
Thiamethoxam	5.03	30	<30	96.62	40 - 147	-
Trifloxystrobin	4.28	30	<30	97.28	50 - 150	-