



RiverRun Gardens

5 Perkins Way, Unit 8
Newburyport, MA 01950
will@riverrungardens.com

License #: MB281332

Certificate of Analysis

Final



Date Released: 9/16/2023 8:27:10AM

Report #: 2610

91 Octane Buds

Sample #: 19918, Weight: 11.00g, Unit Count:

Order #: X230905-0001

Category/Type: Raw Plant Material, Flower - Cured

Date Collected: 9/5/2023 11:11:16AM

Date Received: 9/7/2023 2:34:18PM

Date Analyzed: 9/14/2023 9:05:53AM

METRC Sample ID: 1A40A03000038A5000003409

METRC Source Package ID:

1A40A03000038A5000003302

METRC Batch ID: 91 Octane 7/18/23



Total Cannabinoids
282.79212 mg/g



Total THC
242.47774 mg/g



Total CBD
0.00000 mg/g



Total Terpenes
14.03 mg/g



Moisture
9.75 %



Heavy Metals
PASS



Microbials
PASS



Pesticides
PASS



Mycotoxins
PASS

Cannabinoids						Total Cannabinoids: 282.79212 mg/g	Date Completed: 09/14/2023 9:05AM
						Total THC: 242.47774 mg/g	
						Total CBD: 0.00000 mg/g	
Compound	CAS#	LOD (mg/g)	LOQ (mg/g)	mg/g	%	Relative Concentration	
THCa	23978-85-0	0.528451	2.105263	264.88986	26.48899	<div style="width: 26.48899%;"></div>	
d9-THC	1972-08-3	0.651946	2.105263	10.16933	1.01693	<div style="width: 1.01693%;"></div>	
CBGA	25555-57-1	0.712506	2.105263	7.73293	0.77329	<div style="width: 0.77329%;"></div>	
d8-THC	5957-75-5	0.959417	2.105263	ND	ND		
CBD	13956-29-1	0.995967	2.105263	ND	ND		
CBDa	1244-58-2	0.672732	2.105263	ND	ND		
CBG	25654-31-3	0.887997	2.105263	ND	ND		
CBN	521-35-7	0.987261	2.105263	ND	ND		
CBC	20675-51-8	0.922839	2.105263	ND	ND		
THCV	31262-37-0	0.683418	2.105263	ND	ND		
CBDV	24274-48-4	0.646059	2.105263	ND	ND		



GVA Labs
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Jonathan Ferguson, Acting Laboratory Director
9/16/2023 9:29:08AM



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Test Comment: Total THC = (THCa * 0.877) + d9THC
Total Cannabionids = Addition of all cannabionoids with no multiplier
Total CBD = (CBDa * 0.877) + CBD

Terpenes

Date Completed: 09/11/2023 10:55AM



Compound	CAS#	LOD (mg/g)	LOQ (mg/g)	mg/g	%	Relative Concentration
D-Limonene	5989-27-5	0.0397	0.1191	4.31	0.43	
beta-Caryophyllene	87-44-5	0.0220	0.0661	3.49	0.35	
alpha-Humulene	6753-98-6	0.0212	0.0637	1.06	0.11	
trans-Ocimene	3779-61-1	0.0289	0.0868	1.05	0.11	
beta-Pinene	127-91-3	0.0499	0.1498	0.99	0.10	
alpha-Bisabolol	515-69-5	0.0966	0.2899	0.97	0.10	
alpha-Pinene	80-56-8	0.0510	0.1531	0.94	0.09	
beta-Myrcene	123-35-3	0.0446	0.1338	0.81	0.08	
Linalool	78-70-6	0.0320	0.0960	0.41	0.04	
alpha-Terpinene	99-86-5	0.0408	0.1225	ND	0.00	
Camphene	79-92-5	0.0516	0.1550	<LOQ	0.01	
Caryophyllene Oxide	1139-30-6	0.0559	0.1679	<LOQ	0.02	
delta-3-Carene	13466-78-9	0.0796	0.2388	ND	0.00	
Eucalyptol	470-82-6	0.0503	0.1510	ND	0.00	
Guaiol	489-86-1	0.0675	0.2027	ND	0.00	
Terpinolene	586-62-9	0.0481	0.1445	<LOQ	0.01	



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Compound	CAS#	LOD (mg/g)	LOQ (mg/g)	mg/g	%	Relative Concentration
cis-Nerolidol	142-50-7	0.0323	0.0969	ND	0.00	
cis-Ocimene	3338-55-4	0.0280	0.0840	<LOQ	0.00	
gamma-Terpinene	99-85-4	0.0393	0.1180	ND	0.00	
Geraniol	106-24-1	0.0479	0.1438	ND	0.00	
Isopulegol	89-79-2	0.0535	0.1606	ND	0.00	
p-Cymene	99-87-6	0.0380	0.1140	ND	0.00	
trans-Nerolidol	40716-66-3	0.0390	0.1172	<LOQ	0.01	

Moisture LWG

Pass

Date Completed: 09/08/2023 7:44AM

Compound	LOD (%)	LOQ (%)	Limits (%)	Result (%)	Status
Moisture				9.75	Pass

Mycotoxins

Pass

Date Completed: 09/13/2023 4:58PM

Compound	LOD (ppb)	LOQ (ppb)	Limits (ppb)	Result (ppb)	Status
AflatoxinB1	1.6499	4.9499	20	ND	Pass
AflatoxinB2	2.2521	6.7564	20	ND	Pass
AflatoxinG1	0.9461	2.8380	20	ND	Pass
AflatoxinG2	3.8346	11.5039	20	ND	Pass
OchratoxinA	2.5487	7.6462	20	ND	Pass
TotalAflatoxins				0	Pass

Metals

Pass

Date Completed: 09/12/2023 1:11PM

Compound	LOD (µg/kg)	LOQ (µg/kg)	Limits (µg/kg)	Result (µg/kg)	Status
Arsenic	28.73	86.21	200	ND	Pass



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Metals		Pass			Date Completed: 09/12/2023 1:11PM	
Compound	LOD (µg/kg)	LOQ (µg/kg)	Limits (µg/kg)	Result (µg/kg)	Status	
Cadmium	21.74	83.33	200	ND	Pass	
Lead	23.58	83.33	500	ND	Pass	
Mercury	23.62	70.84	100	ND	Pass	

Pesticides		Pass			Date Completed: 09/13/2023 4:53PM	
Compound	LOD (ppb)	LOQ (ppb)	Limits (ppb)	Result (ppb)	Status	
Bifenazate	2.5792	7.7377	10	ND	Pass	
Bifenthrin	5.1561	15.4683	10	ND	Pass	
Cyfluthrin	48.8	146.4	10	ND	Pass	
Etoxazole	2.2610	6.7832	10	ND	Pass	
Imazalil	2.1853	6.5559	10	ND	Pass	
Imidacloprid	1.8548	5.5644	10	ND	Pass	
Myclobutanil	2.1163	6.3489	10	ND	Pass	
Spiromesifen	2.4051	7.2154	10	ND	Pass	
Trifloxystrobin	2.4291	7.2874	10	ND	Pass	

Microbials Count/Qualitative		Pass			Date Completed: 09/11/2023 5:27PM	
Compound	LOD (CFU/g)	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status	
Bile-Tolerant Gram Negative Bacteria			1000	0	Pass	
Salmonella Qualitative			1	Not Detected	Pass	
STEC Qualitative			1	Not Detected	Pass	
Total Aerobic Bacteria			100000	0	Pass	
Total Coliforms			1000	0	Pass	
Yeast & Mold			10000	0	Pass	



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