1 of 6

River Bluff S'mores Bar 10mg

Sample ID: SA-241029-51011 Batch: 091924

Type: Finished Product - Ingestible Matrix: Edible - Chocolate

Unit Mass (g): 16.35005

Received: 08/30/2024 Completed: 10/28/2024

Client

River Bluff Cannabis 673 Sinsinawa Ave East Dubuque, IL 61025

USA

Lic. #: 1204-459



KCA Laboratories

232 North Plaza Drive

Nicholasville, KY 40356

Summary

Test
Cannabinoids
Heavy Metals
Microbials
Mycotoxins
Pesticides
Residual Solvents

Moisture Content

Date Tested 10/09/2024 10/18/2024 10/28/2024 10/14/2024 10/14/2024 10/28/2024 Status
Tested
Tested
Tested
Tested
Tested
Tested
Tested

0.0572 % Total Δ9-THC **0.0572 %** Δ9-THC 0.0572 %

Total Cannabinoids

Not Tested Not Tested

Foreign Matter

Yes

Internal Standard Normalization

Cannabinoids by HPLC-PDA

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/unit)
CBC	0.00095	0.00284	ND	ND
CBCA	0.00181	0.00543	ND	ND
CBCV	0.0006	0.0018	ND	ND
CBD	0.00081	0.00242	ND	ND
CBDA	0.00043	0.0013	ND	ND
CBDV	0.00061	0.00182	ND	ND
CBDVA	0.00021	0.00063	ND	ND
CBG	0.00057	0.00172	ND	ND
CBGA	0.00049	0.00147	ND	ND
CBL	0.00112	0.00335	ND	ND
CBLA	0.00124	0.00371	ND	ND
CBN	0.00056	0.00169	ND	ND
CBNA	0.0006	0.00181	ND	ND
CBT	0.0018	0.0054	ND	ND
Δ8-ΤΗС	0.00104	0.00312	ND	ND
Δ9-ΤΗС	0.00076	0.00227	0.0572	9.35
Δ9-ΤΗCΑ	0.00084	0.00257	ND	ND
Δ9-THCV	0.00069	0.00206	ND	ND
Δ9-THCVA	0.00062	0.00186	ND	ND
Total Δ9-THC			0.0572	9.35
Total			0.0572	9.35

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA * 0.877 + Δ9-THC; Total CBD = CBDA * 0.877 + CBD;

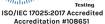
Generated By: Ryan Bellone CCO

Date: 10/29/2024

Tested By: Kelsey Rogers Scientist Date: 10/09/2024

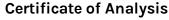








This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 170252017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories. KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories KCA Laboratories and provide measurement uncertainty upon request.





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River Bluff S'mores Bar 10mg

Sample ID: SA-241029-51011 Batch: 091924 Type: Finished Product - Ingestible Matrix: Edible - Chocolate Unit Mass (g): 16.35005

Received: 08/30/2024 Completed: 10/28/2024 Client River Bluff Cannabis

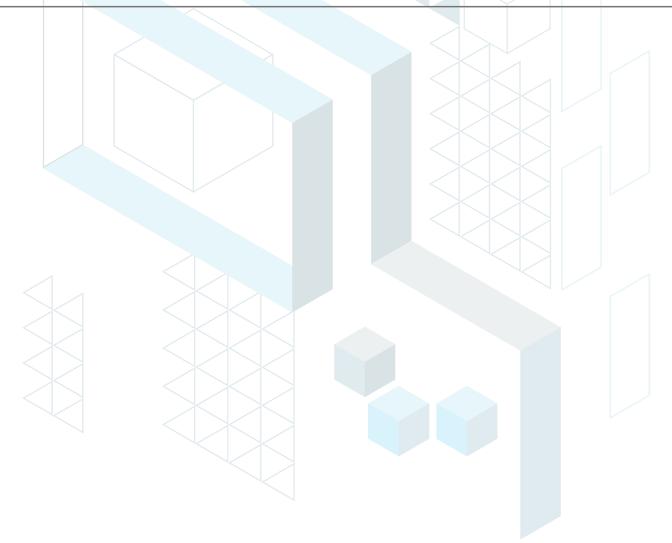
673 Sinsinawa Ave East Dubuque, IL 61025 USA

Lic. #: 1204-459

Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Arsenic	0.002	0.02	ND
Cadmium	0.001	0.02	<loq< th=""></loq<>
Lead	0.002	0.02	<loq< th=""></loq<>
Mercury	0.012	0.05	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



Generated By: Ryan Bellone CCO

Tested By: Chris Farman Scientist Date: 10/18/2024







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River Bluff S'mores Bar 10mg

Sample ID: SA-241029-51011

Batch: 091924

Type: Finished Product - Ingestible

Matrix: Edible - Chocolate Unit Mass (g): 16.35005 Received: 08/30/2024 Completed: 10/28/2024 Client

River Bluff Cannabis 673 Sinsinawa Ave East Dubuque, IL 61025

USA

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Pesticides by LC-MS/MS

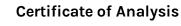
Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	ND	Hexythiazox	30	100	ND
Acephate	30	100	ND	Imazalil	30	100	ND
Acequinocyl	30	100	ND	Imidacloprid	30	100	ND
Acetamiprid	30	100	ND	Kresoxim methyl	30	100	ND
Aldicarb	30	100	ND	Malathion	30	100	ND
Azoxystrobin	30	100	ND	Metalaxyl	30	100	ND
Bifenazate	30	100	ND	Methiocarb	30	100	ND
Bifenthrin	30	100	ND	Methomyl	30	100	ND
Boscalid	30	100	ND	Mevinphos	30	100	ND
Carbaryl	30	100	ND	Myclobutanil	30	100	ND
Carbofuran	30	100	ND	Naled	30	100	ND
Chloranthraniliprole	30	100	ND	Oxamyl	30	100	ND
Chlorfenapyr	30	100	ND	Paclobutrazol	30	100	ND
Chlorpyrifos	30	100	ND	Permethrin	30	100	ND
Clofentezine	30	100	ND	Phosmet	30	100	ND
Coumaphos	30	100	ND	Piperonyl Butoxide	30	100	ND
Cypermethrin	30	100	ND	Prallethrin	30	100	ND
Diazinon	30	100	ND	Propiconazole	30	100	ND
Dichlorvos	30	100	ND	Propoxur	30	100	ND
Dimethoate	30	100	ND	Pyrethrins	30	100	ND
Dimethomorph	30	100	ND	Pyridaben	30	100	ND
Ethoprophos	30	100	ND	Spinetoram	30	100	ND
Etofenprox	30	100	ND	Spinosad	30	100	ND
Etoxazole	30	100	ND	Spiromesifen	30	100	ND
Fenhexamid	30	100	ND	Spirotetramat	30	100	ND
Fenoxycarb	30	100	ND	Spiroxamine	30	100	ND
Fenpyroximate	30	100	ND	Tebuconazole	30	100	ND
Fipronil	30	100	ND	Thiacloprid	30	100	ND
Flonicamid	30	100	ND	Thiamethoxam	30	100	ND
Fludioxonil	30	100	ND	Trifloxystrobin	30	100	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

Generated By: Ryan Bellone

CCO Date: 10/29/2024 Tested By: Anthony Mattingly Scientist Date: 10/14/2024







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River Bluff S'mores Bar 10mg

Sample ID: SA-241029-51011 Batch: 091924 Type: Finished Product - Ingestible Matrix: Edible - Chocolate

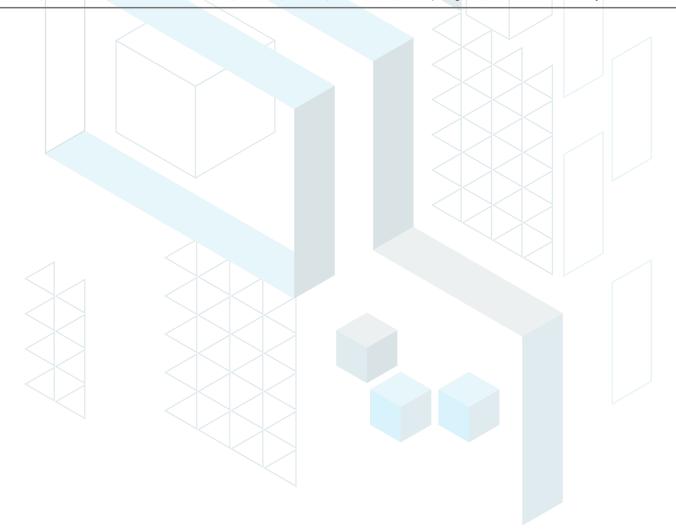
Unit Mass (g): 16.35005

Received: 08/30/2024 Completed: 10/28/2024 Client
River Bluff Cannabis
673 Sinsinawa Ave
East Dubuque, IL 61025
USA
Lic. #: 1204-459

Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates



Generated By: Ryan Bellone CCO

Tested By: Anthony Mattingly Scientist Date: 10/14/2024





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Certificate of Analysis

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River Bluff S'mores Bar 10mg

Sample ID: SA-241029-51011 Batch: 091924 Type: Finished Product - Ingestible Matrix: Edible - Chocolate

Unit Mass (g): 16.35005

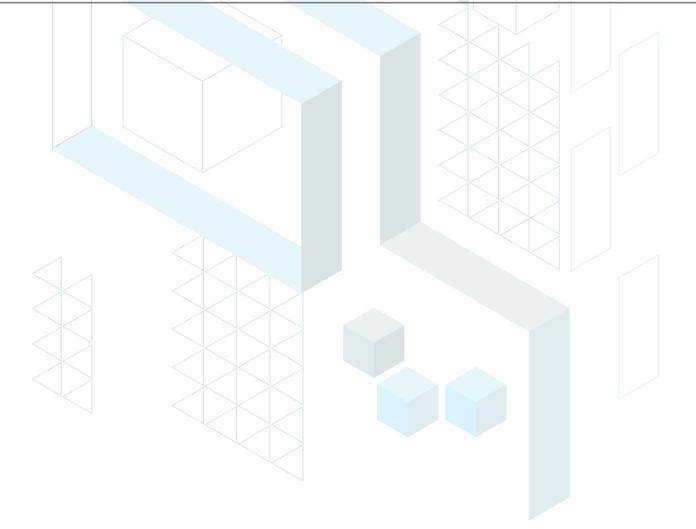
Received: 08/30/2024 Completed: 10/28/2024 Client River Bluff Cannabis 673 Sinsinawa Ave East Dubuque, IL 61025

Lic. #: 1204-459

Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Total aerobic count	10	50.0	
Total coliforms	10	ND	
Generic E. coli	10	ND	
Salmonella spp.	1		Not Detected per 1 gram
Shiga-toxin producing E. coli (STEC)	1		Not Detected per 1 gram

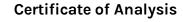
ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone CCO

Tested By: Natalia Wright Laboratory Technician Date: 10/28/2024







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River Bluff S'mores Bar 10mg

Sample ID: SA-241029-51011

Batch: 091924

Type: Finished Product - Ingestible

Matrix: Edible - Chocolate Unit Mass (g): 16.35005 Received: 08/30/2024 Completed: 10/28/2024 Client

River Bluff Cannabis 673 Sinsinawa Ave East Dubuque, IL 61025

USA

Lic. #: 1204-459

Residual Solvents by HS-GC-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	14	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isobutane	167	500	ND
1-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanol	167	500	ND	Isopropyl Alcohol	167	500	ND
2-Butanone	167	500	ND	Isopropylbenzene	167	500	ND
Chloroform	2	6	ND	Methanol	100	300	ND
Cyclohexane	129	388	ND	2-Methylbutane	10	29	ND
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	20	60	ND
1,2-Dimethoxyethane	4	10	ND	2-Methylpentane	10	29	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	n-Pentane	167	500	ND
2,2-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
2,3-Dimethylbutane	10	29	ND	n-Propane	167	500	ND
N,N-Dimethylformamide	30	88	ND	1-Propanol	167	500	ND
2,2-Dimethylpropane	167	500	ND	Pyridine	7	20	ND
1,4-Dioxane	13	38	ND	Tetrahydrofuran	24	72	ND
Ethanol	167	500	ND	Toluene	30	89	ND
2-Ethoxyethanol	6	16	ND	Trichloroethylene	3	8	ND
Ethyl Acetate	167	500	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethyl Ether	167	500	ND				
Ethylbenzene	3	7	ND				

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates

RA

Generated By: Ryan Bellone CCO

Date: 10/29/2024

Hilsey Rogers

Tested By: Kelsey Rogers Scientist Date: 10/28/2024

