

## 4g Top Shelf Bar Hawaiian Rain

Sample ID: SA-250131-56441  
 Batch: VTSHR2409025  
 Type: Finished Product - Ingestible  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

Received: 02/03/2025  
 Completed: 02/10/2025

**Client**  
 MC Nutraceuticals  
 6101 Long Prairie Rd, Ste 144 LB 17  
 Flower Mound, TX 75028  
 USA



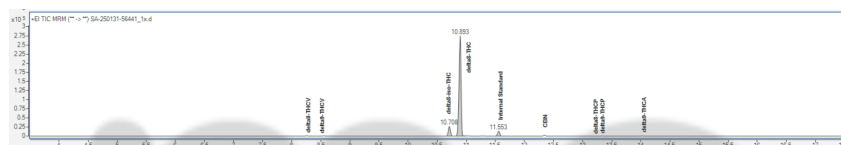
## Summary

Test	Date Tested	Status
Cannabinoids	02/10/2025	Tested
Heavy Metals	02/05/2025	Tested
Microbials	02/05/2025	Tested
Mycotoxins	02/10/2025	Tested
Pesticides	02/10/2025	Tested
Residual Solvents	02/07/2025	Tested

<b>ND</b> Δ9-THC	<b>81.8 %</b> Δ8-THC	<b>90.0 %</b> Total Cannabinoids	<b>Not Tested</b> Moisture Content	<b>Not Tested</b> Foreign Matter	<b>Yes</b> Internal Standard Normalization
---------------------	-------------------------	-------------------------------------	---------------------------------------	-------------------------------------	---

## Cannabinoids by HPLC-PDA and GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND	ND
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	ND	ND
CBD A	0.0043	0.013	ND	ND
CBDP	0.0067	0.02	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	0.821	8.21
CBNA	0.006	0.0181	ND	ND
CBNP	0.0067	0.02	ND	ND
CBT	0.018	0.054	ND	ND
Δ4,8-iso-THC	0.0067	0.02	0.484	4.84
Δ8-iso-THC	0.0067	0.02	3.31	33.1
Δ8-THC	0.0104	0.0312	81.8	818
Δ8-THCP	0.0067	0.02	0.0698	0.698
Δ8-THCV	0.0067	0.02	0.510	5.10
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THCA	0.0084	0.0251	0.994	9.94
Δ9-THCP	0.0067	0.02	1.06	10.6
Δ9-THCV	0.0069	0.0206	1.02	10.2
Δ9-THCVA	0.0062	0.0186	ND	ND
exo-THC	0.0067	0.02	ND	ND
<b>Total Δ9-THC</b>			<b>0.872</b>	<b>8.72</b>
<b>Total</b>			<b>90.0</b>	<b>900</b>



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

Generated By: Ryan Bellone  
 CCO  
 Date: 02/11/2025

Tested By: Scott Caudill  
 Laboratory Manager  
 Date: 02/10/2025



ISO/IEC 17025:2017 Accredited  
 Accreditation #108651

DA \* 0



This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 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 can provide measurement uncertainty upon request.



**KCA Laboratories**  
232 North Plaza Drive  
Nicholasville, KY 40356

+1-833-KCA-LABS  
<https://kcalabs.com>  
KDA Lic.# P\_0058

## Certificate of Analysis

2 of 7

### 4g Top Shelf Bar Hawaiian Rain

Sample ID: SA-250131-56441  
Batch: VTSHR2409025  
Type: Finished Product - Ingestible  
Matrix: Concentrate - Distillate  
Unit Mass (g):

Received: 02/03/2025  
Completed: 02/10/2025

**Client**  
MC Nutraceuticals  
6101 Long Prairie Rd, Ste 144 LB 17  
Flower Mound, TX 75028  
USA



Generated By: Ryan Bellone  
CCO

Date: 02/11/2025



This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 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 can provide measurement uncertainty upon request.



**KCA Laboratories**  
232 North Plaza Drive  
Nicholasville, KY 40356

+1-833-KCA-LABS  
<https://kcalabs.com>  
KDA Lic.# P\_0058

## Certificate of Analysis

3 of 7

### 4g Top Shelf Bar Hawaiian Rain

Sample ID: SA-250131-56441  
Batch: VTSHR2409025  
Type: Finished Product - Ingestible  
Matrix: Concentrate - Distillate  
Unit Mass (g):

Received: 02/03/2025  
Completed: 02/10/2025

**Client**  
MC Nutraceuticals  
6101 Long Prairie Rd, Ste 144 LB 17  
Flower Mound, TX 75028  
USA



### Heavy Metals by ICP-MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Arsenic	0.002	0.02	ND
Cadmium	0.001	0.02	ND
Lead	0.002	0.02	ND
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

Date: 02/11/2025

Tested By: Chris Farman  
Scientist

Date: 02/05/2025



This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 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 can provide measurement uncertainty upon request.



**KCA Laboratories**  
232 North Plaza Drive  
Nicholasville, KY 40356

+1-833-KCA-LABS  
<https://kcalabs.com>  
KDA Lic.# P\_0058

## Certificate of Analysis

4 of 7

### 4g Top Shelf Bar Hawaiian Rain

Sample ID: SA-250131-56441  
Batch: VTSHR2409025  
Type: Finished Product - Ingestible  
Matrix: Concentrate - Distillate  
Unit Mass (g):

Received: 02/03/2025  
Completed: 02/10/2025

**Client**  
MC Nutraceuticals  
6101 Long Prairie Rd, Ste 144 LB 17  
Flower Mound, TX 75028  
USA



### Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	ND	Hexythiazox	30	100	ND
Acetamiprid	30	100	ND	Imazalil	30	100	ND
Aldicarb	30	100	ND	Imidacloprid	30	100	ND
Azoxystrobin	30	100	ND	Kresoxim methyl	30	100	ND
Bifenazate	30	100	ND	Malathion	30	100	ND
Bifenthrin	30	100	ND	Metaxyl	30	100	ND
Boscalid	30	100	ND	Methiocarb	30	100	ND
Carbaryl	30	100	ND	Mevinphos	30	100	ND
Carbofuran	30	100	ND	Myclobutanil	30	100	ND
Chloranthraniliprole	30	100	ND	Naled	30	100	ND
Chlorfenapyr	30	100	ND	Oxamyl	30	100	ND
Chlorpyrifos	30	100	ND	Paclobutrazol	30	100	ND
Clofentezine	30	100	ND	Permethrin	30	100	ND
Coumaphos	30	100	ND	Phosmet	30	100	ND
Cypermethrin	30	100	ND	Piperonyl Butoxide	30	100	ND
Diazinon	30	100	ND	Prallethrin	30	100	ND
Dichlorvos	30	100	ND	Propiconazole	30	100	ND
Dimethoate	30	100	ND	Propoxur	30	100	ND
Dimethomorph	30	100	ND	Pyrethrins	30	100	ND
Ethoprophos	30	100	ND	Pyridaben	30	100	ND
Etofenprox	30	100	ND	Spinetoram	30	100	ND
Etoxazole	30	100	ND	Spinosad	30	100	ND
Fenhexamid	30	100	ND	Spiromesifen	30	100	ND
Fenoxycarb	30	100	ND	Spirotetramat	30	100	ND
Fenpyroximate	30	100	ND	Spiroxamine	30	100	ND
Fipronil	30	100	ND	Tebuconazole	30	100	ND
Fludioxonil	30	100	ND	Thiacloprid	30	100	ND
				Thiamethoxam	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: 02/11/2025

Tested By: Anthony Mattingly  
Scientist

Date: 02/10/2025



This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 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 can provide measurement uncertainty upon request.



**KCA Laboratories**  
232 North Plaza Drive  
Nicholasville, KY 40356

+1-833-KCA-LABS  
<https://kcalabs.com>  
KDA Lic.# P\_0058

## Certificate of Analysis

5 of 7

### 4g Top Shelf Bar Hawaiian Rain

Sample ID: SA-250131-56441  
Batch: VTSHR2409025  
Type: Finished Product - Ingestible  
Matrix: Concentrate - Distillate  
Unit Mass (g):

Received: 02/03/2025  
Completed: 02/10/2025

**Client**  
MC Nutraceuticals  
6101 Long Prairie Rd, Ste 144 LB 17  
Flower Mound, TX 75028  
USA



### 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  
Date: 02/11/2025

Tested By: Anthony Mattingly  
Scientist  
Date: 02/10/2025



This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 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 can provide measurement uncertainty upon request.



**KCA Laboratories**  
232 North Plaza Drive  
Nicholasville, KY 40356

+1-833-KCA-LABS  
<https://kcalabs.com>  
KDA Lic.# P\_0058

## Certificate of Analysis

6 of 7

### 4g Top Shelf Bar Hawaiian Rain

Sample ID: SA-250131-56441  
Batch: VTSHR2409025  
Type: Finished Product - Ingestible  
Matrix: Concentrate - Distillate  
Unit Mass (g):

Received: 02/03/2025  
Completed: 02/10/2025

**Client**  
MC Nutraceuticals  
6101 Long Prairie Rd, Ste 144 LB 17  
Flower Mound, TX 75028  
USA



### Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)	Result (Qualitative)
Total aerobic count	10	ND	
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  
Date: 02/11/2025

Tested By: Natalia Wright  
Laboratory Technician  
Date: 02/05/2025



This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 17025:2017 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 can provide measurement uncertainty upon request.

## 4g Top Shelf Bar Hawaiian Rain

Sample ID: SA-250131-56441  
 Batch: VTSHR2409025  
 Type: Finished Product - Ingestible  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

Received: 02/03/2025  
 Completed: 02/10/2025

**Client**  
 MC Nutraceuticals  
 6101 Long Prairie Rd, Ste 144 LB 17  
 Flower Mound, TX 75028  
 USA



## 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




Generated By: Ryan Bellone  
 CCO

Date: 02/11/2025



Tested By: Kelsey Rogers  
 Scientist

Date: 02/07/2025

