

M00002765733: Blue Brew - REALM - Flower - BULK (Floral)

METRC Sample: 1A40A0100000A2F000016187; METRC Manifest: 0002105315; Metrc Source ID: 1A40A0100000A2F000014888

Sample ID: 2402ANS0470-4047

Produced: 01/29/2024

Client

Strain: Blue Brew

Completed: 03/08/2024

GRI

Plant, Flower - Cured, Finished Plant Material, Plant Material, Inhalation

Expiration: 03/08/2025

Lic. # RMD205-C

Batch ID: B-2669-F6-1.29.24-14888

307 Airport Road
Fitchburg, MA 01420

Sample Size: 10.326 g

COC #: 2402ANS0470; Number of Servings: ; Growth Material: Soil; Extraction Solvent: None; Remediated: No; Revision Notes: ; Amended: No; Sample Condition: Intact;



Summary

Test	Date Tested	Result
Cannabinoids	03/06/2024	Complete
Moisture	03/04/2024	8% - Complete
Water Activity		NR - Complete
Terpenes	03/06/2024	Complete
Microbials	03/04/2024	Pass
Mycotoxins	03/04/2024	Pass
Pesticides	03/04/2024	Pass
Heavy Metals	03/06/2024	Pass
Product Approved		May be dispensed for all uses

Moisture Entered By: 21

Instrument ID: MA-1

Moisture analyzed per SOP-004

Instrument ID: WA-1

Water Activity analyzed per SOP-019, is non-compliant, and NOT ISO accredited. NT= Not Tested, NR = Not Reported.

Cannabinoids

Complete

25.24%	ND	26.47%
Total Active THC	Total Active CBD	Total Active Cannabinoids

Analyte	LOD	LOQ	Result	Result	Qualifiers
	%	%	%	mg/g	
THCa	0.00002	0.00010	27.22	272.220	
Δ9-THC	0.00002	0.00010	1.37	13.703	
Δ8-THC	0.00002	0.00010	ND	ND	
THCVa	0.00002	0.00010	0.19	1.931	
THCV	0.00001	0.00010	ND	ND	
CBDa	0.00001	0.00010	ND	ND	
CBD	0.00001	0.00010	ND	ND	
CBDVa	0.00001	0.00010	ND	ND	
CBDV	0.00001	0.00010	ND	ND	
CBNa	0.00004	0.00010	ND	ND	
CBN	0.00002	0.00010	ND	ND	
CBGa	0.00001	0.00010	1.20	12.023	
CBG	0.00002	0.00010	ND	ND	
CBCa	0.00004	0.00010	ND	ND	
CBC	0.00001	0.00010	ND	ND	
CBL	0.00003	0.00010	ND	ND	
CBT	0.00002	0.00010	ND	ND	
Total Available THC			28.59	285.922	
Total Active THC			25.24	252.439	
Total Available CBD			ND	ND	
Total Active CBD			ND	ND	
Total Available Cannabinoids			29.99	299.876	
Total Active Cannabinoids			26.47	264.677	

Entered by: 25; Instrument ID: 4; Date Tested: 03/06/2024;

Cannabinoids analyzed by SOP-009. LOD= Limit of Detection, LOQ = Limit of Quantitation, ND = Not Detected. Total Available THC = D9-THC + THCA. Total Active THC = D9-THC + (THCA0.877). Total Available CBD = CBD + CBDA. Total Active CBD = CBD + (CBDA0.877). Total Active Cannabinoids = THCA0.877+ d9 THC+ d8 THC+ THCVa0.877+ THCV+ CBDA 0.877 + CBD+ CBDV+ CBDVa 0.877+ CBNA0.877+ CBN+ CBGA0.877+ CBG+ CBCA*0.877+CBC+ CBL+ CBT. Total Available Cannabinoids = sum of all detected cannabinoids. THCVa, CBNA, CBL, CBGA are not ISO accredited analytes



Accreditation #104289

Ryan Picard

Ryan Picard
Lab Director
03/08/2024

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Completed: 03/08/2024

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Expiration: 03/08/2025

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Terpenes

Analyte	CAS #	LOD	LOQ	Result	Result	Qualifiers
		%	%	%	mg/g	
β-Myrcene		0.00001	0.0001	0.51	5.069	
α-Pinene		0.00001	0.0001	0.29	2.887	
β-Caryophyllene		0.00002	0.0001	0.14	1.394	
β-Pinene		0.00001	0.0001	0.14	1.392	
Limonene		0.00002	0.0001	0.07	0.750	
α-Humulene		0.00002	0.0001	0.07	0.682	
α-Bisabolol		0.00002	0.0001	0.06	0.587	
Linalool		0.00002	0.0001	0.06	0.584	
(-)-Guaial		0.00002	0.0001	0.06	0.558	
α-Terpineol		0.00003	0.0001	0.02	0.195	
Nerolidol		0.00001	0.0001	0.02	0.194	
Camphene		0.00001	0.0001	0.01	0.093	
trans-Ocimene		0.00001	0.0001	0.01	0.078	
(+)-alpha-Thujone		0.00002	0.0001	ND	ND	
3-Carene		0.00001	0.0001	ND	ND	
α-Cedrene		0.00001	0.0001	ND	ND	
α-Terpinene		0.00001	0.0001	ND	ND	
β-Cedrene		0.00001	0.0001	ND	ND	
β-Farnesene		0.00003	0.0001	ND	ND	
Camphor		0.00002	0.0001	ND	ND	
Caryophyllene Oxide		0.00002	0.0001	ND	ND	
Cedrol		0.00002	0.0001	ND	ND	
cis-Farnesol		0.00002	0.0001	ND	ND	
cis-Ocimene		0.00001	0.0000	ND	ND	
Citronellol		0.00001	0.0001	ND	ND	
(S)-(+)-Carvone		0.00002	0.0001	ND	ND	
delta-Valerolactam		0.00002	0.0001	ND	ND	
Eucalyptol		0.00001	0.0001	ND	ND	
Total				1.45	14.463	

Primary Aromas

 Hops	 Pine	 Cinnamon	 Orange	 Chamomile
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Entered by: 26

Instrument ID: GC-1

Date Tested: 03/06/2024

LOD= Limit of Detection, LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010. Isomer CAS#'s: Cis-Ocimene: 13877-91-3, Trans-Ocimene: 13877-91-3, Cis-Nerolidol: 7212-44-4, Trans-Nerolidol: 7212-44-4. Nerolidol = Sum of Cis and Trans-Nerolidol



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Terpenes

Analyte	CAS #	LOD	LOQ	Result	Result	Qualifiers
		%	%	%	mg/g	
γ-Terpinene		0.00002	0.0001	ND	ND	
Geraniol		0.00001	0.0001	ND	ND	
Geranyl Acetate		0.00002	0.0001	ND	ND	
Isobornyl Acetate		0.00002	0.0001	ND	ND	
(-)-Fenchone		0.00002	0.0001	ND	ND	
m-Cymene		0.00002	0.0001	ND	ND	
Menthol		0.00003	0.0001	ND	ND	
Menthone		0.00002	0.0001	ND	ND	
Nerol		0.00002	0.0001	ND	ND	
Nootkatone		0.00002	0.0001	ND	ND	
o-Cymene		0.00002	0.0001	ND	ND	
(-)-Isopulegol		0.00002	0.0001	ND	ND	
(+)-Borneol		0.00002	0.0001	ND	ND	
Phytane		0.00002	0.0001	ND	ND	
Piperitone		0.00002	0.0001	ND	ND	
R-(-)-α-Phellandrene		0.00001	0.0001	ND	ND	
(+)-Pulegone		0.00002	0.0001	ND	ND	
p-Cymene		0.00001	0.0001	ND	ND	
Sabinene		0.00009	0.0001	ND	ND	
Sabinene Hydrate		0.00002	0.0001	ND	ND	
Safranal		0.00002	0.0001	ND	ND	
Terpinen-4-ol		0.00001	0.0001	ND	ND	
Terpinolene		0.00001	0.0001	ND	ND	
Thymol		0.00002	0.0001	ND	ND	
trans-Citral		0.00002	0.0001	ND	ND	
trans-Farnesol		0.00002	0.0001	ND	ND	
Valencene		0.00002	0.0001	ND	ND	
Total				1.45	14.463	

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Pesticides

Pass

Analyte	LOD	LOQ	Limit	Mass	Qualifiers	Status
	PPB	PPB	PPB	PPB		
Bifenazate	0.1400	0.2500	10.0000	<4.87		Pass
Bifenthrin	0.0040	0.0250	10.0000	<4.87		Pass
Cyfluthrin	0.0050	0.0250	10.0000	<4.87		Pass
Etoazole	0.1630	0.2500	10.0000	<4.87		Pass
Imazalil	0.1730	0.2500	10.0000	<4.87		Pass
Imidacloprid	0.0840	0.2500	10.0000	<4.87		Pass
Myclobutanil	0.1450	0.2500	10.0000	<4.87		Pass
Spiromesifen	0.1600	0.2500	10.0000	<4.87		Pass
Trifloxystrobin	0.1330	0.2500	10.0000	<4.87		Pass

Entered by: 10

Instrument ID 1: LCMS-3

Instrument ID 2: GCMS-4

Date Tested (LC): 03/04/2024

Date Tested (GC): 03/04/2024

LOD= Limit of Detection, LOQ = Limit of Quantitation. Pesticides analyzed by SOP-008



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Microbials

Pass

Analyte	Limit	Results	Qualifiers	Status
	CFU/g	CFU/g		
(ECPT) E. coli (O157)	Not Detected in 1g	Not Detected		Pass
(SPT) Salmonella	Not Detected in 1g	Not Detected		Pass
(AC) Total Viable Aerobic Bacteria	100000	<100		Pass
(YM) Total Yeast & Mold	10000	<100		Pass
(EB) Total Bile-Tolerant Gram Negative Bacteria	1000	<100		Pass
(CC) Total Coliforms	1000	<100		Pass
Hop-Latent Viroid	1	NR		NT
Cannabis Cryptic Virus	1	NR		NT
Lettuce Chlorosis Virus	1	NR		NT

Entered by: 53

Instrument ID: PCR-2

Date Tested: 03/04/2024

Plating of Total Aerobic bacteria, Bile-Tolerant Gram-negative bacteria, total Coliforms, and total yeast & mold are analyzed by SOP-006. Shiga Toxin-Producing Escherichia coli and Salmonella spp. are analyzed by SOP-007. Viruses analyzed by SOP-016, are non-compliant, and NOT ISO accredited. NR = Not Reported, NT = Not Tested, TNTC = Too Numerous To Count.

Mycotoxins

Pass

Analyte	LOD	LOQ	Limit	Results	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Total Aflatoxins	0.1	0.2	20.0	ND		Pass
Ochratoxin A	0.1	0.5	20.0	ND		Pass

Entered by: 10

Instrument ID: LCMS-3

Date Tested: 03/04/2024

LOD= Limit of Detection, LOQ = Limit of Quantitation. Mycotoxins analyzed by SOP-008.

Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Results	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Arsenic	0.177	0.500	200.000	147.711		Pass
Cadmium	0.139	0.500	200.000	ND		Pass
Lead	0.046	0.500	500.000	ND		Pass
Mercury	0.031	0.200	100.000	ND		Pass

Entered by: 11

Instrument ID: ICPMS-1

Date Tested: 03/04/2024

LOD = Limit of Detection, LOQ = Limit of Quantitation. Heavy Metals analyzed by SOP-005



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