

## M00002156349: Zombie Buds

METRC Sample: 1A40A0100000A30000022657; METRC Manifest: 0002014542; Metrc Source ID: 1A40A0100000A30000022304

**Sample ID: 2401ANS0048-0347**

Produced: 12/21/2023

Client

Strain: Zombie

Completed: 01/15/2024

Mass Alternative Care

Plant, Flower - Cured, Finished Plant Material, Plant Material, All uses

Expiration: 01/15/2025

Lic. # RMD726-C

Batch ID: 1A40A0100000A30000022304

1247 E Main St  
Chicopee, MA 01020

Sample Size: 9.935 g

COC #: 2401ANS0048; Number of Servings: ; Growth Material: coco; Extraction Solvent: n/a; Remediated: No; Revision Notes: ; Amended: No; Sample Condition: Intact;



### Summary

Test	Date Tested	Result
Cannabinoids	01/10/2024	Complete
Moisture	01/09/2024	6% - Complete
Water Activity		NR - Complete
Terpenes	01/08/2024	Complete
Microbials	01/09/2024	Pass
Mycotoxins	01/09/2024	Pass
Pesticides	01/10/2024	Pass
Heavy Metals	01/10/2024	Pass
Product Approved		May be dispensed for all uses

Moisture Entered By: 33

Instrument ID: MA-2

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

23.52%

Total Active THC

ND

Total Active CBD

24.40%

Total Active Cannabinoids

Analyte	LOD	LOQ	Result	Result	Qualifiers
	%	%	%	mg/g	
THCa	0.00002	0.00010	26.38992	263.89917	
Δ9-THC	0.00002	0.00010	0.37596	3.75955	
Δ8-THC	0.00002	0.00010	<0.17714	<0.17714	
THCVa	0.00002	0.00010	0.18976	1.89764	
THCV	0.00001	0.00010	<0.17714	<0.17714	
CBDa	0.00001	0.00010	<0.17714	<0.17714	
CBD	0.00001	0.00010	<0.17714	<0.17714	
CBDVa	0.00001	0.00010	<0.17714	<0.17714	
CBDV	0.00001	0.00010	<0.17714	<0.17714	
CBNa	0.00004	0.00010	<0.17714	<0.17714	
CBN	0.00002	0.00010	<0.17714	<0.17714	
CBGa	0.00001	0.00010	0.81186	8.11859	
CBG	0.00002	0.00010	<0.17714	<0.17714	
CBCa	0.00004	0.00010	<0.17714	<0.17714	
CBC	0.00001	0.00010	<0.17714	<0.17714	
CBL	0.00003	0.00010	<0.17714	<0.17714	
CBT	0.00002	0.00010	<0.17714	<0.17714	
Total Available THC			26.765872	267.658721	
Total Active THC			23.519912	235.199123	
Total Available CBD			ND	ND	
Total Active CBD			ND	ND	
Total Available Cannabinoids			27.767495	277.674948	
Total Active Cannabinoids			24.398335	243.983353	

Entered by: 8; Instrument ID: 4; Date Tested: 01/10/2024;

Cannabinoids analyzed by SOP-009. LOD= Limit of Detection, LOQ = Limit of Quantitation, ND = Not Detected. Total Available THC = Δ9-THC + THCa. Total Active THC = Δ9-THC + (THCa\*0.877). Total Available CBD = CBD + CBDA. Total Active CBD = CBD + (CBDA\*0.877). Total Active Cannabinoids = THCa\*0.877+ Δ9 THC+ Δ8 THC+ THCVa\*0.877+ THCV+ CBDA\*0.877+ CBD+ CBDV+ CBDVa\*0.877+ CBNA\*0.877+ CBN + CBGa\*0.877+ CBG+ CBCa\*0.877+ CBC+ CBL+ CBT. Total Available Cannabinoids = sum of all detected cannabinoids.



Accreditation #104289

*Ryan Picard*

Ryan Picard  
Lab Director  
01/15/2024

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Plant, Flower - Cured, Finished Plant Material, Plant

Expiration: 01/15/2025

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Material, All uses

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Chicopee, MA 01020






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## Terpenes

Analyte	CAS #	LOD	LOQ	Mass	Mass	Qualifiers
		%	%	%	mg/g	
β-Caryophyllene	87-44-5	0.00002	0.0001	0.658955	6.589548	
Limonene	5989-27-5	0.00002	0.0001	0.289264	2.892642	
α-Humulene	6753-98-6	0.00002	0.0001	0.194799	1.947993	
Linalool	78-70-6	0.00002	0.0001	0.163420	1.634197	
α-Bisabolol	23089-26-1	0.00002	0.0001	0.144206	1.442057	
β-Pinene	18172-67-3	0.00003	0.0001	0.068211	0.682107	
α-Terpineol	98-55-5	0.00005	0.0001	0.049206	0.492057	
α-Pinene	80-56-8	0.00003	0.0001	0.037851	0.378512	
Caryophyllene Oxide	1139-30-6	0.00003	0.0001	0.019632	0.196321	
β-Myrcene	123-35-3	0.00003	0.0001	0.015368	0.153679	
Camphene	79-92-5	0.00003	0.0001	0.012048	0.120485	
3-Carene	13466-78-9	0.00003	0.0001	<0.008361	<0.008361	
α-Terpinene	99-86-5	0.00003	0.0001	<0.008361	<0.008361	
Nerolidol 1	7212-44-4	0.00002	0.0000	<0.003595	<0.003595	
Ocimene 1	13877-91-3	0.00003	0.0000	<0.002592	<0.002592	
Phytol 1	7541-49-3	0.00003	0.0001	<0.004181	<0.004181	
Eucalyptol	470-82-6	0.00002	0.0001	<0.008361	<0.008361	
γ-Terpinene	99-85-4	0.00002	0.0001	<0.008361	<0.008361	
Geraniol	106-24-1	0.00002	0.0001	<0.008361	<0.008361	
Guaial	489-86-1	0.00002	0.0001	<0.008361	<0.008361	
Isopulegol	89-79-2	0.00002	0.0001	<0.008361	<0.008361	
Menthol	89-78-1	0.00007	0.0001	<0.008361	<0.008361	
p-Cymene	99-87-6	0.00002	0.0001	<0.008361	<0.008361	
Terpinolene	586-62-9	0.00002	0.0001	<0.008361	<0.008361	
Nerolidol 2	7212-44-4	0.00003	0.0001	<0.004766	<0.004766	
Ocimene 2	13877-91-3	0.00005	0.0001	<0.005769	<0.005769	
Phytol 2	7541-49-3	0.00002	0.0001	<0.004181	<0.004181	
Valencene	4630-07-3	0.00002	0.0001	<0.008361	<0.008361	
<b>Total</b>				<b>1.6530</b>	<b>16.5296</b>	

## Primary Aromas

 Cinnamon	 Orange	 Hops	 Lavender	 Chamomile
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Entered by: 42

Instrument ID: GC-3 Front

Date Tested: 01/08/2024

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.



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## Pesticides

Pass

Analyte	LOD	LOQ	Limit	Mass	Qualifiers	Status
	PPB	PPB	PPB	PPB		
Bifenazate	0.1400	0.2500	10.0000	<5.28		Pass
Bifenthrin	0.0040	0.0250	10.0000	<4.75		Pass
Cyfluthrin	0.0050	0.0250	10.0000	<4.75		Pass
Etoazole	0.1630	0.2500	10.0000	<5.28		Pass
Imazalil	0.1730	0.2500	10.0000	<5.28		Pass
Imidacloprid	0.0840	0.2500	10.0000	<5.28		Pass
Myclobutanil	0.1450	0.2500	10.0000	<5.28		Pass
Spiromesifen	0.1600	0.2500	10.0000	<5.28		Pass
Trifloxystrobin	0.1330	0.2500	10.0000	<5.28		Pass

Entered by: 10

Instrument ID 1: LCMS-2

Instrument ID 2: GCMS-4

Date Tested (LC): 01/10/2024

Date Tested (GC): 01/09/2024

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



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## Microbials

Pass

Analyte	Limit	Units	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	<200		Pass
(YM) Total Yeast & Mold	10000	2200		Pass
(EB) Total Bile-Tolerant Gram Negative Bacteria	1000	<20		Pass
(CC) Total Coliforms	1000	<20		Pass
Hop-Latent Viroid	1	NR		NT
Cannabis Cryptic Virus	1	NR		NT
Lettuce Chlorosis Virus	1	NR		NT

Entered by: 35

Instrument ID: PCR-2

Date Tested: 01/09/2024

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	Units	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Total Aflatoxins	1.0	1.0	20.0	<5.0		Pass
Ochratoxin A	2.0	2.0	20.0	5.2		Pass

Entered by: 60

Instrument ID: ER-2

Date Tested: 01/09/2024

LOD= Limit of Detection, LOQ = Limit of Quantitation. Mycotoxins analyzed by SOP-013.

## Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Units	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Arsenic	0.177	0.500	200.000	<114.416		Pass
Cadmium	0.139	0.500	200.000	<114.416		Pass
Lead	0.046	0.500	500.000	<114.416		Pass
Mercury	0.031	0.200	100.000	<45.767		Pass

Entered by: 11

Instrument ID: ICPMS-1

Date Tested: 01/09/2024

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



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