

ANALYZED BY: Anresco Laboratories 1375 Van Dyke Avenue, San Francisco, CA 94124 C 8- 0000052- L I C



CUSTOMER: Surly Brewing Company 4811 Dusharme Dr Brooklyn Center, MN 55429

SAMPLE INFORMATI			
Sample No.: 1222381 Product Name: Mary Jones R Edible (Carbo MT0024 241! Lot #:	onated Beverage)	Date Collected: 06/03/2024 Date Received: 06/03/2024 Date Reported: 06/05/2024	
TEST SUMMARY			
Cannabinoid Profile:	🕑 Pass	Microbiological Screen:	🕑 Pass
Pesticide Residue Screen:	🕜 Pass	Residual Solvent Screen:	🕑 Pass
Heavy Metal Screen:	🕑 Pass	Foreign Material:	🕜 Pass
Mycotoxin Screen:	🔗 Pass		

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Cannabinoid Profile 💎 Pass

Method: MF-CHEM-15

Ins trume nt:Liquid Chromatography Diode Array Detector (LC-DAD)

Cannabinoid	mg/g	%	mg /ml	mg /se r v ing	mg/package	Labeled mg/serving	% Difference (mg/ serving)	S ta tus
Δ8-THC	ND	ND	ND	ND	ND	-	-	-
Δ9-THC	0.0285	0.00285	0.029	5.29	10.57	5	5.73	Pass
Δ9-ΤΗϹΑ	ND ND	ND	9 ND	ND	ND	-		
THCV	ND ND	ND	ND	ND	ND	-		
THCVA	ND ND	ND	ND	ND	ND	-		
CBD	ND ND	ND	ND	ND	ND	-		
CBDA	ND ND	ND	ND	ND	ND	-		
CBC	ND	ND	ND	ND	ND	-		
CBCA	0.0285	ND	ND	ND	ND	-		
CBDV	ND	ND	ND	ND	ND	-		
CBG	0.0285	ND ND	ND	ND	ND	-		
CBGA	0.0285	ND	ND	ND	ND	-		
CBN	185.496	0.00285	ND	ND	ND	-		
Total THC	0	ND	0.029	5.29	10.57	-		
Total CBD	370.992	0.00285	9 ND	ND	ND	-		
Total Cannabinoids	1.048	0.00285	0.029	5.29	10.57	-		
Sum of Cannabinoids		0.00205	9	5.29	10.57	-		
Serving Weight (g)			0.029					
Package Weight (g)			9					
g/ml Conversion Factor								

Total THC = Δ 8-THC + Δ 9-THC + (0.877 * THCA)

Total CBD = CBD + (0.877 * CBDA)

Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 * Σ (acidic cannabinoids)]

Microbiological Screen 🐶 Pass

Analyte	Met h od	Findings	Status	
Salmonella	AOAC 2016.01	Negative/25g	Pass	
STEC	3M MDS STEC	Negative/25g	Pass	

Pesticide Residue Screen 🔗 Pass

Method: MF-CHEM-13

Ins trume ntLiquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
0.04/0.10	ND	0.3	Pass
0.02/0.06	ND	5.0	Pass
0.04/0.10	ND	4.0	Pass
0.017/0.05	ND	5.0	Pass
0.02/0.06	ND	0.02	Pass
0.02/0.06	ND	40.0	Pass
	0.04/0.10 0.02/0.06 0.04/0.10 0.017/0.05 0.02/0.06	0.04/0.10 ND 0.02/0.06 ND 0.04/0.10 ND 0.017/0.05 ND 0.02/0.06 ND	0.04/0.10 ND 0.3 0.02/0.06 ND 5.0 0.04/0.10 ND 4.0 0.017/0.05 ND 5.0 0.02/0.06 ND 0.02

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Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Bifenazate	0.02/0.06	ND	5.0	Pass
Bifenthrin	0.04/0.10	ND	0.5	Pass
Boscalid	0.02/0.06	ND	10.0	Pass
Captan	0.2/0.6	ND	5.0	Pass
Carbaryl	0.02/0.06	ND	0.5	Pass
Carbofuran	0.017/0.05	ND	0.017	Pass
Chlorantraniliprole	0.02/0.06	ND	40.0	Pass
Chlordane	0.02/0.06	ND	0.02	Pass
Chlorfenapyr	0.02/0.06	ND	0.02	Pass
Chlorpyrifos	0.02/0.06	ND	0.02	Pass
Clofentezine	0.02/0.06	ND	0.5	Pass
Coumaphos	0.02/0.06	ND	0.02	Pass
Cyfluthrin	0.10/0.30	ND	1.0	Pass
Cypermethrin	0.10/0.30	ND	1.0	Pass
Daminozide	0.017/0.05	ND	0.017	Pass
DDVP (Dichlorvos)	0.013/0.04	ND	0.013	Pass
Diazinon	0.017/0.05	ND	0.2	Pass
Dimethoate	0.017/0.05	ND	0.017	Pass
Dimethomorph	0.017/0.05	ND	20.0	Pass
Ethoprop(hos)	0.02/0.06	ND	0.02	Pass
Etofenprox	0.02/0.06	ND	0.02	Pass
Etoxazole	0.02/0.06	ND	1.5	Pass
Fenhexamid	0.017/0.05	ND	10.0	Pass
Fenoxycarb	0.02/0.06	ND	0.02	Pass
Fenpyroximate	0.02/0.06	ND	2.0	Pass
Fipronil	0.02/0.06	ND	0.02	Pass
Flonicamid	0.02/0.06	ND	2.0	Pass
Fludioxonil	0.02/0.06	ND	30.0	Pass
Hexythiazox	0.02/0.06	ND	2.0	Pass
Imazalil	0.02/0.06	ND	0.02	Pass
Imidacloprid	0.02/0.06	ND	3.0	Pass
		ND	1.0	
Kresoxim Methyl	0.02/0.06		5.0	Pass
Malathion	0.017/0.05	ND		Pass
Metalaxyl Mathia angle	0.017/0.05	ND	15.0	Pass
Methiocarb	0.02/0.06	ND	0.02	Pass
Methomyl	0.013/0.04	ND	0.1	Pass
Methyl parathion	0.02/0.06	ND	0.02	Pass
Mevinphos	0.02/0.06	ND	0.02	Pass
Myclobutanil	0.02/0.06	ND	9.0	Pass
Naled	0.017/0.05	ND	0.5	Pass
Oxamyl	0.013/0.04	ND	0.2	Pass
Paclobutrazol	0.02/0.06	ND	0.02	Pass
Pentachloronitrobenzene	0.017/0.05	ND	0.2	Pass
Permethrins	0.10/0.30	ND	20.0	Pass
Phosmet	0.02/0.06	ND	0.2	Pass
Piperonyl Butoxide	0.02/0.06	ND	8.0	Pass
Prallethrin	0.04/0.10	ND	0.4	Pass
Propiconazole	0.02/0.06	ND	20.0	Pass
Propoxur	0.013/0.04	ND	0.013	Pass
Pyrethrins	0.15/0.50	ND	1.0	Pass
Pyridaben	0.017/0.05	ND	3.0	Pass
Spinetoram	0.02/0.06	ND	3.0	Pass
Spinosad	0.02/0.06	ND	3.0	Pass
Spiromesifen	0.04/0.10	ND	12.0	Pass
Spirotetramat	0.02/0.06	ND	13.0	Pass
Spiroxamine	0.017/0.05	ND	0.017	Pass
Tebuconazole	0.02/0.06	ND	2.0	Pass
Thiacloprid	0.013/0.04	ND	0.013	Pass
Thiamethoxam	0.02/0.06	ND	4.5	Pass
	0.02/0.00		1.0	1 000

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Residual Solvent Screen 🔗 Pass

MF-CHEM-32 Method:

Ins trume nt:Gas Chromatography Mass Spectrometry (GC/MS)

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.5/0.5	ND ND	1	Pass
Acetone	57/200	ND ND	5000	Pass
Acetonitrile	56/200	ND ND	410	Pass
Benzene	0.5/0.5	1250.0	1	Pass
n-Butane	45/200	0 ND	5000	Pass
Chloroform	0.5/0.5	ND ND	1	Pass
Ethanol	37/200	ND ND	5000	Pass
Ethyl acetate	38/200	ND	5000	Pass
Ethyl ether	37/200	<loq< td=""><td>5000</td><td>Pass</td></loq<>	5000	Pass
Ethylene oxide	0.1/0.5	ND ND	1	Pass
n-Heptane	135/200	ND ND	5000	Pass
n-Hexane	49/200	ND ND	290	Pass
Isopropyl alcohol	57/200		5000	Pass
Methanol	37/200		3000	Pass
Methylene chloride	0.1/0.5		1	Pass
n-Pentane	37/200		5000	Pass
Propane	72/200		5000	Pass
Toluene	49/200		890	Pass
Total xylenes (ortho-, meta-, para-)	58/200		2170	Pass
Trichloroethylene	0.5/0.5		1	Pass

Heavy Metal Screen 🔗 Pass

Method: MF-CHEM-16

Ins trume nt:Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	ND	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Mercury	0.02/0.05	ND	3	Pass
Lead	0.02/0.125	ND	0.5	Pass

Foreign Material 🐶 Pass

Method: MF-MACRO-5

Analyte		

Analyte				
	Findings	Limit	Status	
Sand, Soils, Cinders, and Dirt	ND	25%	Pass	
Mold	ND	25%	Pass	
Imbedded Foreign Material	ND	25% 1	Pass	
Insect Fragment	ND	per 3g 1	Pass	
Hair	ND	per 3g 1	Pass	
Mammalian Excreta	ND	per 3g	Pass	

Mycotoxin Screen 🐶 Pass

Method: MF-CHEM-13

Ins trume ntLiquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD/LOQ (µg/kg)	Findings (µg/kg)	Limit (µg/kg)	Status
Aflatoxin B1	2/5	ND		
Aflatoxin B2	2/5	ND		Pass
Aflatoxin G1	2/5	ND	20	Pass
Aflatoxin G2	2/5	ND	20	
Total Aflatoxins	8/20	ND		
Ochratoxin A	6/18	ND		

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ND = None Detected LOD = Limit of Detection LOD = Limit of Quantitation

Reported by



Lab Co Director

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