

Certificate of Analysis

ANALYZED BY:

Anresco Laboratories 1375 Van Dyke Avenue, San Francisco, CA 94124 C8-0000052-LIC

CUSTOMER:

Surly Brewing Company 4811 Dusharme Dr Brooklyn Center, MN 55429

Sample No.:1242039ProductSurly BrewingName:LemonadeMatrix:Edible (BeveraLot #:T0038 24233		Double Take Tea ge)	Date Collected: 09/04/2024 Date Received: 09/04/2024 Date Reported: 09/05/2024	
		Pass	Microbiological Screen:	🖉 Pass
Cannabinoid	Profile:	PassPass	Microbiological Screen: Residual Solvent Screen:	PassPass
TEST SUMM Cannabinoid Pesticide Res Heavy Metal S	Profile: idue Screen:	• • • • • • • • • • • • • • • • • • • •	0	•••••••••••••••••••••••••••••••••••••••

Cannabinoid Profile Seas

Method:	MF-CHEM-15
Instrument:	Liquid Chromatography Diode Array Detector (LC-DAD)
Limit of Detection	0.0008 mg/g
Limit of Quantitation	0.0025 mg/g

Cannabinoid	mg/g	%	mg/ml	mg/serving	mg/package	Labeled mg/serving	serving)	Status
Δ8-THC	ND	ND	ND	ND	ND	-	-	-
Δ9-THC	0.0212	0.00212	0.0215	5.09	10.18	5	1.78	Pass
Δ9-THCA	ND	ND	ND	ND	ND	-	-	-
THCV	ND	ND	ND	ND	ND	-	-	-
THCVA	ND	ND	ND	ND	ND	-	-	-
CBD	ND	ND	ND	ND	ND	-	-	-
CBDA	ND	ND	ND	ND	ND	-	-	-
CBC	ND	ND	ND	ND	ND	-	-	-
CBCA	ND	ND	ND	ND	ND	-	-	-
CBDV	ND	ND	ND	ND	ND	-	-	-
CBG	ND	ND	ND	ND	ND	-	-	-
CBGA	ND	ND	ND	ND	ND	-	-	-
CBN	ND	ND	ND	ND	ND	-	-	-
Total THC	0.0212	0.00212	0.0215	5.09	10.18	-	-	-
Total CBD	ND	ND	ND	ND	ND	-	-	-
Total Cannabinoids	0.0212	0.00212	0.0215	5.09	10.18	-	-	-
Sum of Cannabinoids	0.0212	0.00212	0.0215	5.09	10.18	-	-	-
Serving Weight (g)	240.0475							
Package Weight (g)	480.095							
g/ml Conversion Factor	1.0150							

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 SPass

Analyte	Method	Findings	Status
Salmonella	MF-MICRO-11	Not Detected	Pass
STEC	MF-MICRO-18	Not Detected	Pass

Pesticide Residue Screen 🔮 Pass

Method: MF-CHEM-13

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Abamectin	0.04/0.10	ND	0.3	Pass
Acephate	0.02/0.06	ND	5.0	Pass

Anresco Laboratories www.anresco.com

1375 Van Dyke Ave, San Francisco, CA 94124

Sample #: 1242039 Lot #: T0038 24233 Page **1** of **4** Report ID: S-2

09/05/2024

09/05/2024

09/05/2024

% Difference (mg/

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Certificate of Analysis

Accurrenyl Olymon No Accurrenyl Olymon Sol Messa Aldcarby 0.00206 ND 0.20 Pass Aldcarby 0.00206 ND 0.20 Pass Billentaria 0.00206 ND 5.0 Pass Carbery 0.00206 ND 0.0 0.0 Pass Chrorynfar 0.00206 ND 0.0 Pass Pass Cymmerinn 0.017005 ND 0.0	Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
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	Irifloxystrobin	0.02/0.06	ND	30.0	Pass

Sample #: 1242039 Lot #: T0038 24233

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Residual Solvent Screen O Pass

Method: MF-CHEM-32

Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

09/05/2024

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

Heavy Metal Screen **O** Pass

Method: MF-CHEM-16

Instrument: 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-CHEM-7

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

Mycotoxin Screen SPass

Method: MF-CHEM-13

Instrument: Liquid 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	-	-
Aflatoxin G1	2/5	ND	-	-
Aflatoxin G2	2/5	ND	-	-
Total Aflatoxins	8/20	ND	20	Pass
Ochratoxin A	6/18	ND	20	Pass

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09/05/2024

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Certificate of Analysis

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

Reported by



Lab Co Director

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Anresco Laboratories www.anresco.com 1375 Van Dyke Ave, San Francisco, CA 94124 Sample #: 1242039 Lot #: T0038 24233 Page **4** of **4** Report ID: S-2

