

# **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.: 127790 Product Name: Wana S Matrix: Edible	-	Date Received: 02/06/2025 Date Reported: 02/10/2025	
	12 Best By: 2/4/26		
TEST SUMMARY			
	Pass	Microbiological Screen:	✓ Pass
Cannabinoid Profile:		Microbiological Screen: Residual Solvent Screen:	🔮 Pass 🕑 Pass
TEST SUMMARY Cannabinoid Profile: Pesticide Residue Scre Heavy Metal Screen:		-	

## Cannabinoid Profile OPass

02/10/2025

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	% Difference	Status
∆8-THC	ND	ND	ND	ND	ND	-	-	-
Δ9-THC	0.0271	0.00271	0.0277	4.91	9.81	5	1.90	Pass
Δ9-THCA	ND	ND	ND	ND	ND	-	-	-
THCV	ND	ND	ND	ND	ND	-	-	-
THCVA	ND	ND	ND	ND	ND	-	-	-
CBD	0.0275	0.00275	0.0281	4.98	9.96	5	0.45	-
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	0.0264	0.00264	0.0270	4.78	9.56	5	4.43	-
CBGA	ND	ND	ND	ND	ND	-	-	-
CBN	ND	ND	ND	ND	ND	-	-	-
Total THC	0.0271	0.00271	0.0277	4.91	9.81	-	-	-
Total CBD	0.0275	0.00275	0.0281	4.98	9.96	-	-	-
Total Cannabinoids	0.081	0.0081	0.0828	14.66	29.32	-	-	-
Sum of Cannabinoids	0.081	0.0081	0.0828	14.66	29.32	-	-	-
Serving Weight (g)	181.0002							
Package Weight (g)	362.0004							
g/ml Conversion Factor	1.0226							

Total THC =  $\Delta$ 8-THC +  $\Delta$ 9-THC + (0.877 \* THCA) Total CBD = CBD + (0.877 \* CBDA) Total Cannabinoids =  $\Sigma$  (neutral cannabinoids) + [0.877 \*  $\Sigma$  (acidic cannabinoids)]

## Microbiological Screen 🔮 Pass

Analyte	Method	Findings	Units	Status
Salmonella	MF-MICRO-11	Not Detected/25g	/1g	Pass
STEC	MF-MICRO-18	Not Detected/25g	/1g	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
Acequinocyl	0.04/0.10	ND	4.0	Pass
Acetamiprid	0.017/0.05	ND	5.0	Pass

Anresco Laboratories www.anresco.com 1375 Van Dyke Ave, San Francisco, CA 94124 Sample #: 1277905 Lot #: WANA012 Best By: 2/4/26 Page **1** of **4** Report ID: S-4

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02/10/2025

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# **Certificate of Analysis**

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# Residual Solvent Screen 📀 Pass

Method: MF-CHEM-32

**Instrument:** Gas Chromatography Mass Spectrometry (GC/MS)

02/10/2025

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	500.00	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

Anresco Laboratories www.anresco.com 1375 Van Dyke Ave, San Francisco, CA 94124 Sample #: 1277905 Lot #: WANA012 Best By: 2/4/26 Page **3** of **4** Report ID: S-4

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02/10/2025

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# **Certificate of Analysis**

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

Scan to verify

Reported by



Lab Co Director

Anresco Laboratories www.anresco.com 1375 Van Dyke Ave, San Francisco, CA 94124 Sample #: 1277905 Lot #: WANA012 Best By: 2/4/26 Page **4** of **4** Report ID: S-4

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