

Prepared for:

Surly Brewing Co

4811 Dusharme Dr
Brooklyn Center, MN USA 55429

Sweet Justice Cherry Cola

Batch ID or Lot Number: SJ0005 02/20/24 07:27	Test: Potency	Reported: 23Feb2024	USDA License: N/A
Matrix: Unit	Test ID: T000272091	Started: 23Feb2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 23Feb2024	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.126	0.442	<LOQ	<LOQ	# of Servings = 2, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.116	0.404	ND	ND	
Cannabidiol (CBD)	0.426	1.290	ND	ND	
Cannabidiolic Acid (CBDA)	0.437	1.323	ND	ND	
Cannabidivarin (CBDV)	0.101	0.305	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.182	0.552	ND	ND	
Cannabigerol (CBG)	0.072	0.251	0.580	0.00	
Cannabigerolic Acid (CBGA)	0.300	1.049	ND	ND	
Cannabinol (CBN)	0.094	0.328	0.450	0.00	
Cannabinolic Acid (CBNA)	0.205	0.716	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.358	1.250	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.325	1.135	10.360	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.288	1.006	ND	ND	
Tetrahydrocannabivarin (THCV)	0.065	0.228	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.254	0.887	ND	ND	
Total Cannabinoids			11.390	0.00	
Total Potential THC			10.360	0.00	
Total Potential CBD			ND	ND	

Final Approval



Karen Winternheimer
23Feb2024
03:39:00 PM MST

PREPARED BY / DATE



Sam Smith
23Feb2024
03:40:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/8108a490-8743-4919-bdbe-3e1b0c9b4e69>

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDA *(0.877)).

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Cert #4329.02

8108a49087434919bdbe3e1b0c9b4e69.2

Prepared for:

Surly Brewing Co

4811 Dusharme Dr
Brooklyn Center, MN USA 55429


Sweet Justice Cherry Cola

Batch ID or Lot Number: SJ0005 02/20/24 12:47	Test: Potency	Reported: 23Feb2024	USDA License: N/A
Matrix: Unit	Test ID: T000272092	Started: 23Feb2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 23Feb2024	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.127	0.443	<LOQ	<LOQ	# of Servings = 2, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.116	0.406	ND	ND	
Cannabidiol (CBD)	0.427	1.294	ND	ND	
Cannabidiolic Acid (CBDA)	0.438	1.327	ND	ND	
Cannabidivarin (CBDV)	0.101	0.306	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.183	0.554	ND	ND	
Cannabigerol (CBG)	0.072	0.252	0.560	0.00	
Cannabigerolic Acid (CBGA)	0.301	1.053	ND	ND	
Cannabinol (CBN)	0.094	0.328	0.450	0.00	
Cannabinolic Acid (CBNA)	0.205	0.718	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.359	1.254	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.326	1.139	10.180	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.289	1.009	ND	ND	
Tetrahydrocannabivarin (THCV)	0.065	0.229	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.255	0.890	ND	ND	
Total Cannabinoids			11.190	0.00	
Total Potential THC			10.180	0.00	
Total Potential CBD			ND	ND	

Final Approval



Karen Winternheimer
23Feb2024
03:39:00 PM MST

PREPARED BY / DATE



Sam Smith
23Feb2024
03:40:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/86896db0-db34-46e4-b57a-12d4aab60cc5>

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDA *(0.877)).

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Cert #4329.02
86896db0db3446e4b57a12d4aab60cc5.2

Prepared for:

Surly Brewing Co

4811 Dusharme Dr
Brooklyn Center, MN USA 55429

Sweet Justice Cherry Cola

Batch ID or Lot Number: SJ0005 02/20/24 16:28	Test: Potency	Reported: 23Feb2024	USDA License: N/A
Matrix: Unit	Test ID: T000272098	Started: 23Feb2024	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 23Feb2024	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.126	0.441	<LOQ	<LOQ	# of Servings = 2, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.115	0.404	ND	ND	
Cannabidiol (CBD)	0.425	1.288	ND	ND	
Cannabidiolic Acid (CBDA)	0.436	1.321	ND	ND	
Cannabidivarin (CBDV)	0.101	0.305	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.182	0.551	ND	ND	
Cannabigerol (CBG)	0.072	0.251	0.570	0.00	
Cannabigerolic Acid (CBGA)	0.300	1.047	ND	ND	
Cannabinol (CBN)	0.093	0.327	0.450	0.00	
Cannabinolic Acid (CBNA)	0.204	0.715	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.357	1.248	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.324	1.133	10.450	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.287	1.004	ND	ND	
Tetrahydrocannabivarin (THCV)	0.065	0.228	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.253	0.886	ND	ND	
Total Cannabinoids			11.470	0.00	
Total Potential THC			10.450	0.00	
Total Potential CBD			ND	ND	

Final Approval



Karen Winternheimer
23Feb2024
03:39:00 PM MST

PREPARED BY / DATE



Sam Smith
23Feb2024
03:40:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/3835e2f9-2c78-4c42-910e-6f9f02b587b7>

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDA *(0.877)).

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Cert #4329.02
3835e2f92c784c42910e6f9f02b587b7.2

Prepared for:

Surly Brewing Co

4811 Dusharme Dr
Brooklyn Center, MN USA 55429

Sweet Justice Cherry Cola

Batch ID or Lot Number: SJ0005 02/20/24 12:47	Test: Pesticides	Reported: 28Feb2024	USDA License: NA
Matrix: Finished Product	Test ID: T000272093	Started: 26Feb2024	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 23Feb2024	Status: NA

Pesticides

	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	277 - 2691	ND	Malathion	290 - 2684	ND
Acephate	42 - 2661	ND	Metalaxyl	43 - 2715	ND
Acetamiprid	41 - 2675	ND	Methiocarb	43 - 2701	ND
Azoxystrobin	48 - 2688	ND	Methomyl	40 - 2717	ND
Bifenazate	44 - 2695	ND	MGK 264 1	170 - 1633	ND
Boscalid	46 - 2666	ND	MGK 264 2	100 - 1073	ND
Carbaryl	42 - 2691	ND	Myclobutanil	40 - 2682	ND
Carbofuran	44 - 2692	ND	Naled	45 - 2651	ND
Chlorantraniliprole	40 - 2671	ND	Oxamyl	41 - 2712	ND
Chlorpyrifos	53 - 2685	ND	Pacllobutrazol	46 - 2710	ND
Clofentezine	273 - 2698	ND	Permethrin	284 - 2754	ND
Diazinon	290 - 2692	ND	Phosmet	41 - 2562	ND
Dichlorvos	290 - 2674	ND	Prophos	291 - 2668	ND
Dimethoate	40 - 2684	ND	Propoxur	42 - 2697	ND
E-Fenpyroximate	258 - 2738	ND	Pyridaben	291 - 2708	ND
Etofenprox	46 - 2699	ND	Spinosad A	32 - 2080	ND
Etoxazole	289 - 2622	ND	Spinosad D	66 - 668	ND
Fenoxycarb	42 - 2696	ND	Spiromesifen	261 - 2707	ND
Fipronil	41 - 2821	ND	Spirotetramat	288 - 2747	ND
Flonicamid	50 - 2744	ND	Spiroxamine 1	16 - 1023	ND
Fludioxonil	303 - 2688	ND	Spiroxamine 2	25 - 1588	ND
Hexythiazox	42 - 2739	ND	Tebuconazole	287 - 2690	ND
Imazalil	275 - 2727	ND	Thiacloprid	42 - 2695	ND
Imidacloprid	43 - 2746	ND	Thiamethoxam	42 - 2725	ND
Kresoxim-methyl	42 - 2730	ND	Trifloxystrobin	45 - 2706	ND

Final Approval



Karen Winternheimer
28Feb2024
10:34:00 AM MST

PREPARED BY / DATE



Sam Smith
28Feb2024
10:39:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/8437cf24-47ca-4688-85a5-f3acce59dc0b>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02
8437cf2447ca468885a5f3acce59dc0b.1

Prepared for:

Surly Brewing Co


4811 Dusharme Dr
Brooklyn Center, MN USA 55429

Sweet Justice Cherry Cola

Batch ID or Lot Number: SJ0005 02/20/24 12:47	Test: Heavy Metals	Reported: 27Feb2024	USDA License: NA
Matrix: Finished Product	Test ID: T000272095	Started: 26Feb2024	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 23Feb2024	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.29	ND	
Cadmium	0.05 - 4.51	ND	
Mercury	0.05 - 4.74	ND	
Lead	0.03 - 3.37	ND	

Final Approval



Sam Smith
26Feb2024
01:58:00 PM MST

PREPARED BY / DATE



Sam Smith
27Feb2024
08:17:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/4cf5eb3b-435e-4194-be99-9d93d50a2705>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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4cf5eb3b435e4194be999d93d50a2705.1

Prepared for:

Surly Brewing Co

4811 Dusharme Dr
Brooklyn Center, MN USA 55429

Sweet Justice Cherry Cola

Batch ID or Lot Number: SJ0005 02/20/24 12:47	Test: Microbial Contaminants	Reported: 26Feb2024	USDA License: NA
Matrix: Finished Product	Test ID: T000272094	Started: 23Feb2024	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 23Feb2024	Status: NA

Microbial Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Brett Hudson
26Feb2024
04:17:00 PM MST



Brianne Maillot
26Feb2024
04:26:00 PM MST



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/e3eba42b-7eea-4851-8d41-4479a7bc3cdf>

Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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Cert #4329.02
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Prepared for:

Surly Brewing Co

4811 Dusharme Dr
Brooklyn Center, MN USA 55429

Sweet Justice Cherry Cola

Batch ID or Lot Number: SJ0005 02/20/24 12:47	Test: Residual Solvents	Reported: 26Feb2024	USDA License: N/A
Matrix: Finished Product	Test ID: T000272096	Started: 23Feb2024	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 23Feb2024	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	91 - 1817	ND	
Butanes (Isobutane, n-Butane)	172 - 3446	ND	
Methanol	63 - 1258	ND	
Pentane	92 - 1834	ND	
Ethanol	92 - 1846	ND	
Acetone	96 - 1926	ND	
Isopropyl Alcohol	103 - 2057	ND	
Hexane	6 - 125	ND	
Ethyl Acetate	103 - 2068	ND	
Benzene	0.2 - 4.4	ND	
Heptanes	103 - 2058	ND	
Toluene	20 - 408	ND	
Xylenes (m,p,o-Xylenes)	149 - 2979	ND	

Final Approval



Karen Winternheimer
26Feb2024
12:21:00 PM MST

PREPARED BY / DATE



Sam Smith
26Feb2024
12:22:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/2307be54-5a6d-44f2-a035-dca5eab0eac9>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:

Surly Brewing Co

4811 Dusharme Dr
Brooklyn Center, MN USA 55429

Sweet Justice Cherry Cola

Batch ID or Lot Number: SJ0005 02/20/24 16:28	Test: Mycotoxins	Reported: 03Mar2024	USDA License: N/A
Matrix: Finished Product	Test ID: T000272103	Started: 01Mar2024	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 23Feb2024	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.46 - 131.90	ND	N/A
Aflatoxin B1	0.95 - 33.55	ND	
Aflatoxin B2	1.01 - 33.51	ND	
Aflatoxin G1	1.01 - 33.28	ND	
Aflatoxin G2	1.11 - 33.51	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Karen Winternheimer
03Mar2024
11:07:00 AM MST

PREPARED BY / DATE



Phillip Travisano
03Mar2024
11:09:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/8dcb7796-f661-496e-8537-19ee269bd7d8>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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