

Prepared for:  
**Surly Brewing Co**  
4811 Dusharme Dr  
Brooklyn Center, MN USA 55429


## Take Five Sparkling Hop Water


Batch ID or Lot Number: <b>T0020B 23206 12:50</b>	Test: <b>Potency</b>	Reported: <b>26Jul2023</b>	USDA License: N/A
Matrix: Unit	Test ID: T000250315	Started: 26Jul2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 26Jul2023	Status: N/A

### Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.144	0.471	ND	ND	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.132	0.431	ND	ND	
Cannabidiol (CBD)	0.551	1.380	ND	ND	
Cannabidiolic Acid (CBDA)	0.565	1.415	ND	ND	
Cannabidivarin (CBDV)	0.130	0.326	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.236	0.590	ND	ND	
Cannabigerol (CBG)	0.082	0.268	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.342	1.119	ND	ND	
Cannabinol (CBN)	0.107	0.349	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.233	0.763	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.408	1.333	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.370	1.210	4.990	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.328	1.072	ND	ND	
Tetrahydrocannabivarin (THCV)	0.074	0.243	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.289	0.946	ND	ND	
<b>Total Cannabinoids</b>			<b>4.990</b>	<b>0.00</b>	
Total Potential THC			4.990	0.00	
Total Potential CBD			ND	ND	

### Final Approval

  
Sam Smith  
26Jul2023  
03:34:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
26Jul2023  
03:44:00 PM MDT  
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/366e6a69-135b-4aca-adb6-2080930d8f53>

**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)).

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 Accredited by A2LA.



Cert #4329.02  
366e6a69135b4acaadb62080930d8f53.1