

Prepared for:

**Surly Brewing Co**

4811 Dusharme Dr  
Brooklyn Center, MN USA 55429


## Lupulin Smazey Strawberry Lemonade

Batch ID or Lot Number: <b>SMZ45 12/15/23</b>	Test: <b>Potency</b>	Reported: <b>04Jan2024</b>	USDA License: N/A
Matrix: Unit	Test ID: T000265184	Started: 19Dec2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 19Dec2023	Status: N/A

### Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.195	0.652	ND	ND	Amendment to T000265184 issued 19Dec2023 to update number of servings per container. # of Servings = 2, Sample Weight=473g
Cannabichromenic Acid (CBCA)	0.178	0.596	ND	ND	
Cannabidiol (CBD)	0.563	1.651	ND	ND	
Cannabidiolic Acid (CBDA)	0.577	1.694	ND	ND	
Cannabidivarin (CBDV)	0.133	0.391	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.241	0.707	ND	ND	
Cannabigerol (CBG)	0.111	0.370	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.463	1.547	ND	ND	
Cannabinol (CBN)	0.145	0.483	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.316	1.055	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.552	1.843	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.501	1.673	10.080	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.444	1.483	ND	ND	
Tetrahydrocannabivarin (THCV)	0.101	0.337	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.392	1.308	ND	ND	
<b>Total Cannabinoids</b>			<b>10.080</b>	<b>0.00</b>	
Total Potential THC			10.080	0.00	
Total Potential CBD			ND	ND	

### Final Approval



Sam Smith  
04Jan2024  
12:44:00 PM MST

PREPARED BY / DATE



Karen Winternheimer  
04Jan2024  
12:45:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/03ec23d9-a561-410f-aabc-f0e935922e6e>

#### 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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

03ec23d9a561410faabcf0e935922e6e.2