SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

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

Lupulin Smazey Strawberry Lemonade

Batch ID or Lot Number:	Test:	Reported:	USDA License:
SMZ45 12/15/23	**Potency**	**04Jan2024**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000265184	19Dec2023	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD)	19Dec2023	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	
Total Cannabinoids			**10.080**	**0.00**	
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)).

Cert #4329.02
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