

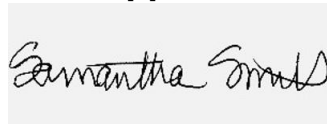
Prepared for:
Lupulin Brewing Company
 570 Humboldt Drive, Ste. 107
 Big Lake, MN USA 55309

Smazey

Batch ID or Lot Number: FV14-12122	Test: Potency	Reported: 05Dec2022	USDA License: N/A
Matrix: Unit	Test ID: T000229560	Started: 02Dec2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 02Dec2022	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.157	0.633	ND	ND	# of Servings = 1, Sample Weight=473.95g
Cannabichromenic Acid (CBCA)	0.143	0.579	ND	ND	
Cannabidiol (CBD)	0.635	1.786	ND	ND	
Cannabidiolic Acid (CBDA)	0.651	1.832	ND	ND	
Cannabidivarin (CBDV)	0.150	0.422	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.271	0.764	ND	ND	
Cannabigerol (CBG)	0.089	0.360	ND	ND	
Cannabigerolic Acid (CBGA)	0.372	1.503	ND	ND	
Cannabinol (CBN)	0.116	0.469	ND	ND	
Cannabinolic Acid (CBNA)	0.254	1.026	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.444	1.791	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.403	1.626	11.100	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.357	1.441	ND	ND	
Tetrahydrocannabivarin (THCV)	0.081	0.327	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.315	1.271	ND	ND	
Total Cannabinoids			11.100	0.00	
Total Potential THC			11.100	0.00	
Total Potential CBD			ND	ND	

Final Approval


 Sam Smith
 05Dec2022
 02:49:00 PM MST



 Karen Winternheimer
 05Dec2022
 03:00:00 PM MST


PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/a7110f63-d12d-409f-9d69-cce284490d8b>

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.



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