

Prepared for:

Lupulin Brewing Company

570 Humboldt Drive, Ste. 107

Big Lake, MN USA 55309

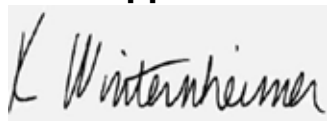
Strawberry Lemonade Smazey

Batch ID or Lot Number: SMZ1	Test: Potency	Reported: 03Oct2022	USDA License: N/A
Matrix: Unit	Test ID: T000223006	Started: 29Sep2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 29Sep2022	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.193	0.638	ND	ND	# of Servings = 1, Sample Weight=474.12g
Cannabichromenic Acid (CBCA)	0.177	0.583	ND	ND	
Cannabidiol (CBD)	0.714	1.755	ND	ND	
Cannabidiolic Acid (CBDA)	0.732	1.800	ND	ND	
Cannabidivarin (CBDV)	0.169	0.415	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.305	0.751	ND	ND	
Cannabigerol (CBG)	0.110	0.362	0.130	0.00	
Cannabigerolic Acid (CBGA)	0.459	1.514	ND	ND	
Cannabinol (CBN)	0.143	0.472	ND	ND	
Cannabinolic Acid (CBNA)	0.313	1.033	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.547	1.804	0.770	0.00	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.496	1.638	11.710	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.440	1.451	ND	ND	
Tetrahydrocannabivarin (THCV)	0.100	0.329	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.388	1.280	ND	ND	
Total Cannabinoids			12.610	0.03	
Total Potential THC			11.710	0.02	
Total Potential CBD			ND	ND	

Final Approval



 Karen Winternheimer
 29Sep2022
 05:58:00 PM MDT

PREPARED BY / DATE



 Courtney Richards
 03Oct2022
 01:25:00 PM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/abc152b0-2cef-438f-b934-4777143e20ee>

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

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Lupulin Brewing Company

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Big Lake, MN USA 55309

Strawberry Lemonade Smazey

Batch ID or Lot Number: SMZ1	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 2
Reported: 20Oct2022	Started: 13Oct2022	Received: 10Oct2022	

Pesticides


Test ID: T000224265


Methods: TM17

(LC-QQ LC MS/MS)

	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	336 - 2809	ND	Malathion	285 - 2713	ND
Acephate	43 - 2703	ND	Metalaxyl	40 - 2727	ND
Acetamiprid	40 - 2687	ND	Methiocarb	42 - 2749	ND
Azoxystrobin	41 - 2723	ND	Methomyl	42 - 2695	ND
Bifenazate	41 - 2706	ND	MGK 264 1	166 - 1608	ND
Boscalid	35 - 2770	ND	MGK 264 2	114 - 1138	ND
Carbaryl	40 - 2712	ND	Myclobutanil	48 - 2767	ND
Carbofuran	42 - 2712	ND	Naled	44 - 2779	ND
Chlorantraniliprole	43 - 2769	ND	Oxamyl	41 - 2689	ND
Chlorpyrifos	43 - 2788	ND	Paclbutrazol	41 - 2720	ND
Clofentezine	276 - 2752	ND	Permethrin	24 - 2686	ND
Diazinon	271 - 2719	ND	Phosmet	41 - 2716	ND
Dichlorvos	278 - 2710	ND	Prophos	299 - 2767	ND
Dimethoate	42 - 2686	ND	Propoxur	39 - 2727	ND
E-Fenpyroximate	284 - 2744	ND	Pyridaben	262 - 2738	ND
Etofenprox	40 - 2750	ND	Spinosad A	33 - 2252	ND
Etoxazole	291 - 2729	ND	Spinosad D	49 - 502	ND
Fenoxycarb	41 - 2712	ND	Spiromesifen	289 - 2726	ND
Fipronil	34 - 2789	ND	Spirotetramat	268 - 2728	ND
Fonicamid	45 - 2683	ND	Spiroxamine 1	16 - 1182	ND
Fludioxonil	289 - 2744	ND	Spiroxamine 2	23 - 1592	ND
Hexythiazox	38 - 2747	ND	Tebuconazole	274 - 2744	ND
Imazalil	266 - 2779	ND	Thiacloprid	41 - 2692	ND
Imidacloprid	47 - 2700	ND	Thiamethoxam	42 - 2663	ND
Kresoxim-methyl	38 - 2758	ND	Trifloxystrobin	43 - 2731	ND

Final Approval


 Karen Winternheimer
 17Oct2022
 02:09:00 PM MDT
 PREPARED BY / DATE


 Sam Smith
 17Oct2022
 02:12:00 PM MDT
 APPROVED BY / DATE

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Strawberry Lemonade Smazey

Batch ID or Lot Number: SMZ1	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 2
Reported: 20Oct2022	Started: 13Oct2022	Received: 10Oct2022	

Heavy Metals

Test ID: T000224266


Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.11	ND	
Cadmium	0.04 - 4.24	ND	
Mercury	0.04 - 4.39	ND	
Lead	0.04 - 4.48	ND	

Final Approval


Samantha Simons
27Oct2022
11:00:00 AM MDT

PREPARED BY / DATE


Karen Winternheimer
27Oct2022
11:03:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/1243bab3-7a65-43c2-a690-84e9738ec5f8>

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (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)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa *(0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. 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.

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