

Prepared for:

Hemp House

719 W 26th St

Minneapolis, MN USA 55405

50mg Grape Syrup

Batch ID or Lot Number: E22215-GSB	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: 08Aug2022	Started: 05Aug2022	Received: 05Aug2022	

Microbial Contaminants

Test ID: T000217020

Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval

Eden Thompson-Wright
08Aug2022
01:34:00 PM MDT

PREPARED BY / DATE



Brianne Maillot
08Aug2022
04:44:00 PM MDT

APPROVED BY / DATE

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Hemp House
 719 W 26th St
 Minneapolis, MN USA 55405

50mg Grape Syrup

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Reported: 08Aug2022	Started: 05Aug2022	Received: 05Aug2022	


Cannabinoids


Test ID: T000217018

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	4.722	20.952	ND	ND	Amendment to T000217018 issued on 08Aug2022 to correct customer-supplied sample reporting information. Fill weight changed from 68.5g to 70.5g. # of Servings = 1, Sample Weight=70.5g
Cannabichromenic Acid (CBCA)	4.319	19.164	ND	ND	
Cannabidiol (CBD)	23.994	69.521	27.680	0.40	
Cannabidiolic Acid (CBDA)	24.609	71.305	ND	ND	
Cannabidivarin (CBDV)	5.675	16.443	ND	ND	
Cannabidivarinic Acid (CBDVA)	10.266	29.745	ND	ND	
Cannabigerol (CBG)	2.681	11.896	ND	ND	
Cannabigerolic Acid (CBGA)	11.209	49.729	ND	ND	
Cannabinol (CBN)	3.498	15.519	ND	ND	
Cannabinolic Acid (CBNA)	7.647	33.928	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	13.354	59.245	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	12.127	53.805	49.020	0.70	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	10.745	47.671	ND	ND	
Tetrahydrocannabivarin (THCV)	2.439	10.820	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	9.477	42.048	ND	ND	
Total Cannabinoids			76.700	1.09	
Total Potential THC			49.020	0.70	
Total Potential CBD			27.680	0.39	

Final Approval


 Daniel Weidensaul
 09Aug2022
 04:50:00 PM MDT
 PREPARED BY / DATE


 Courtney Richards
 09Aug2022
 04:54:00 PM MDT
 APPROVED BY / DATE

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Hemp House
 719 W 26th St
 Minneapolis, MN USA 55405

50mg Grape Syrup

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Reported: 08Aug2022	Started: 05Aug2022	Received: 05Aug2022	


Pesticides


Test ID: T000217019

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	280 - 2582	ND		Malathion	296 - 2728	ND
Acephate	42 - 2840	ND		Metalaxyl	43 - 2742	ND
Acetamiprid	41 - 2814	ND		Methiocarb	41 - 2721	ND
Azoxystrobin	41 - 2733	ND		Methomyl	42 - 2836	ND
Bifenazate	42 - 2722	ND		MGK 264 1	160 - 1584	ND
Boscalid	42 - 2764	ND		MGK 264 2	117 - 1108	ND
Carbaryl	40 - 2700	ND		Myclobutanil	44 - 2732	ND
Carbofuran	40 - 2696	ND		Naled	44 - 2693	ND
Chlorantraniliprole	50 - 2665	ND		Oxamyl	40 - 2835	ND
Chlorpyrifos	53 - 2782	ND		Paclobutrazol	44 - 2712	ND
Clofentezine	291 - 2839	ND		Permethrin	292 - 2763	ND
Diazinon	279 - 2778	ND		Phosmet	39 - 2706	ND
Dichlorvos	269 - 2884	ND		Prophos	300 - 2798	ND
Dimethoate	42 - 2843	ND		Propoxur	41 - 2706	ND
E-Fenpyroximate	288 - 2691	ND		Pyridaben	292 - 2702	ND
Etofenprox	43 - 2706	ND		Spinosad A	35 - 2196	ND
Etoxazole	290 - 2696	ND		Spinosad D	54 - 481	ND
Fenoxycarb	42 - 2719	ND		Spiromesifen	272 - 2714	ND
Fipronil	54 - 2671	ND		Spirotetramat	287 - 2677	ND
Flonicamid	49 - 2836	ND		Spiroxamine 1	19 - 1151	ND
Fludioxonil	303 - 2785	ND		Spiroxamine 2	24 - 1547	ND
Hexythiazox	43 - 2703	ND		Tebuconazole	282 - 2753	ND
Imazalil	279 - 2761	ND		Thiacloprid	40 - 2816	ND
Imidacloprid	44 - 2814	ND		Thiamethoxam	42 - 2835	ND
Kresoxim-methyl	49 - 2789	ND		Trifloxystrobin	43 - 2741	ND

Final Approval


 Daniel Weidensaul
 09Aug2022
 01:38:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 09Aug2022
 01:39:00 PM MDT
 APPROVED BY / DATE

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Hemp House

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Minneapolis, MN USA 55405

50mg Grape Syrup


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Heavy Metals

Test ID: T000217021


Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.49	ND	
Cadmium	0.04 - 4.42	ND	
Mercury	0.04 - 4.30	ND	
Lead	0.04 - 4.48	ND	

Final Approval

Sam Smith
09Aug2022
01:45:00 PM MDT

PREPARED BY / DATE



Daniel Weidensaul
09Aug2022
01:47:00 PM MDT

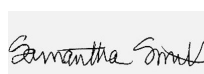
APPROVED BY / DATE

Residual Solvents

Test ID: T000217022


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	78 - 1566	ND	
Butanes (Isobutane, n-Butane)	167 - 3336	ND	
Methanol	59 - 1184	ND	
Pentane	90 - 1809	ND	
Ethanol	89 - 1780	1030	
Acetone	94 - 1877	ND	
Isopropyl Alcohol	95 - 1903	ND	
Hexane	6 - 116	ND	
Ethyl Acetate	96 - 1918	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	99 - 1973	ND	
Toluene	17 - 343	ND	
Xylenes (m,p,o-Xylenes)	123 - 2466	ND	

Final Approval

Sam Smith
10Aug2022
02:33:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
10Aug2022
02:35:00 PM MDT

APPROVED BY / DATE

Prepared for:
Hemp House719 W 26th St
Minneapolis, MN USA 55405**50mg Grape Syrup**

Batch ID or Lot Number: E22215-GSB	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 5 of 5
Reported: 08Aug2022	Started: 05Aug2022	Received: 05Aug2022	

<https://results.botanacor.com/api/v1/coas/uuid/696e8ab3-d1fa-4137-ad45-edbf14f7cfd8>**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: $10^2 = 100$ CFU, $10^3 = 1,000$ CFU, $10^4 = 10,000$ CFU, $10^5 = 100,000$ CFU.

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/IEC 17025:2017 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).

Cert #4329.02
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Prepared for:
Hemp House

719 W 26th St
Minneapolis, MN USA 55405

50mg Strawberry Syrup

Batch ID or Lot Number: E22201-SSB	Test: Potency	Reported: 25Jul2022	USDA License: N/A
Matrix: Unit	Test ID: T000215179	Started: 21Jul2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 21Jul2022	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	9.818	26.350	ND	ND	# of Servings = 1, Sample Weight=70.5g
Cannabichromenic Acid (CBCA)	8.980	24.101	ND	ND	
Cannabidiol (CBD)	30.089	70.845	ND	ND	
Cannabidiolic Acid (CBDA)	30.861	72.662	ND	ND	
Cannabidivarin (CBDV)	7.116	16.756	ND	ND	
Cannabidivarinic Acid (CBDVA)	12.874	30.311	ND	ND	
Cannabigerol (CBG)	5.575	14.961	ND	ND	
Cannabigerolic Acid (CBGA)	23.304	62.542	ND	ND	
Cannabinol (CBN)	7.272	19.518	ND	ND	
Cannabinolic Acid (CBNA)	15.899	42.670	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	27.763	74.509	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	25.214	67.668	60.180	0.90	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	22.339	59.954	ND	ND	
Tetrahydrocannabivarin (THCV)	5.070	13.608	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	19.704	52.882	ND	ND	
Total Cannabinoids			60.180	0.85	
Total Potential THC			60.180	0.85	
Total Potential CBD			ND	ND	

Final Approval



Karen Winternheimer
25Jul2022
03:05:00 PM MDT

PREPARED BY / DATE



Jacob Miller
25Jul2022
03:09:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/7ff405f0-c2da-4485-9cf8-3eb615d402f4>

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)).

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