

Prepared for:

HUDSON HEMP67 PINE WOOD RD.
HUDSON, NY USA 12534**Dad Grass Nighttime**


Batch ID or Lot Number: DGN01040FM	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 5
Reported: 14Mar2022	Started: 14Mar2022	Received: 10Mar2022	

Cannabinoids

Test ID: T000197258

Methods: TM14 (HPLC-DAD)

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.005	0.017	0.050	0.50	
Cannabichromenic Acid (CBCA)	0.005	0.015	ND	ND	
Cannabidiol (CBD)	0.014	0.043	3.890	38.90	
Cannabidiolic Acid (CBDA)	0.015	0.044	ND	ND	
Cannabidivarin (CBDV)	0.003	0.010	0.020	0.20	
Cannabidivarinic Acid (CBDVA)	0.006	0.019	ND	ND	
Cannabigerol (CBG)	0.003	0.009	0.070	0.70	
Cannabigerolic Acid (CBGA)	0.012	0.039	ND	ND	
Cannabinol (CBN)	0.004	0.012	0.520	5.20	
Cannabinolic Acid (CBNA)	0.008	0.027	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.015	0.047	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.013	0.042	0.150	1.50	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.012	0.038	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.009	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.010	0.033	ND	ND	
Total Cannabinoids			4.700	47.00	
Total Potential THC**			0.150	1.50	
Total Potential CBD**			3.890	38.90	

Final Approval

Sam Smith
14Mar2022
03:44:00 PM MDT

PREPARED BY / DATE



Ryan Weems
14Mar2022
03:46:00 PM MDT

APPROVED BY / DATE

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Microbial Contaminants


Test ID: T000197260

Methods: TM25 (qPCR) TM24, TM26, TM27, TM28 (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	None Detected
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	<LOQ Below limit of quantitation <1,000 CFU/g
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	<LLOQ	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval


Jackson Osaghae-Nosa
14Mar2022
03:29:00 PM MDT
PREPARED BY / DATE


Eden Thompson-Wright
14Mar2022
04:34:00 PM MDT
APPROVED BY / DATE

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Residual Solvents

Test ID: T000197262

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	83 - 1654	ND	
Butanes (Isobutane, n-Butane)	167 - 3341	ND	
Methanol	61 - 1221	ND	
Pentane	89 - 1772	ND	
Ethanol	89 - 1786	ND	
Acetone	96 - 1919	ND	
Isopropyl Alcohol	98 - 1967	ND	
Hexane	6 - 117	ND	
Ethyl Acetate	96 - 1929	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	90 - 1795	ND	
Toluene	17 - 340	ND	
Xylenes (m,p,o-Xylenes)	118 - 2352	ND	

Final Approval
Ryan Weems
15Mar2022
06:30:00 PM MDT
PREPARED BY / DATE
Daniel Weidensaul
15Mar2022
06:31:00 PM MDT
APPROVED BY / DATE

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Pesticides


Test ID: T000197259

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	Dynamic Range (ppb)	Result (ppb)	
Abamectin	353 - 2756	ND	Malathion	294 - 2718	ND
Acephate	45 - 2802	ND	Metalaxyl	43 - 2719	ND
Acetamiprid	37 - 2787	ND	Methiocarb	41 - 2715	ND
Azoxystrobin	44 - 2700	ND	Methomyl	42 - 2780	ND
Bifenazate	42 - 2708	ND	MGK 264 1	176 - 1627	ND
Boscalid	55 - 2660	ND	MGK 264 2	121 - 1137	ND
Carbaryl	40 - 2722	ND	Myclobutanil	46 - 2700	ND
Carbofuran	40 - 2726	ND	Naled	46 - 2749	ND
Chlorantraniliprole	49 - 2670	ND	Oxamyl	38 - 2790	ND
Chlorpyrifos	34 - 2810	ND	Paclobutrazol	47 - 2701	ND
Clofentezine	273 - 2749	ND	Permethrin	314 - 2729	ND
Diazinon	284 - 2733	ND	Phosmet	39 - 2722	ND
Dichlorvos	286 - 2782	ND	Prophos	304 - 2704	ND
Dimethoate	38 - 2751	ND	Propoxur	40 - 2724	ND
E-Fenpyroximate	308 - 2785	ND	Pyridaben	292 - 2778	ND
Etofenprox	40 - 2777	ND	Spinosad A	28 - 2274	ND
Etoxazole	297 - 2743	ND	Spinosad D	43 - 506	ND
Fenoxycarb	43 - 2728	ND	Spiromesifen	282 - 2791	ND
Fipronil	56 - 2712	ND	Spirotetramat	308 - 2684	ND
Flonicamid	44 - 2767	ND	Spiroxamine 1	18 - 1168	ND
Fludioxonil	292 - 2692	ND	Spiroxamine 2	25 - 1534	ND
Hexythiazox	43 - 2778	ND	Tebuconazole	290 - 2736	ND
Imazalil	259 - 2781	ND	Thiacloprid	41 - 2757	ND
Imidacloprid	46 - 2734	ND	Thiamethoxam	41 - 2781	ND
Kresoxim-methyl	45 - 2739	ND	Trifloxystrobin	42 - 2741	ND

Final Approval


 Daniel Weidensaul
 15Mar2022
 03:56:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 15Mar2022
 04:00:00 PM MDT
 APPROVED BY / DATE

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Heavy Metals

 Test ID: T000197261
 Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.32	ND	
Cadmium	0.04 - 4.42	ND	
Mercury	0.04 - 4.41	ND	
Lead	0.04 - 4.17	ND	

Final Approval

 Sam Smith
 17Mar2022
 11:29:00 AM MDT

PREPARED BY / DATE


 Daniel Weidensaul
 17Mar2022
 11:36:00 AM MDT

APPROVED BY / DATE


<https://results.botanacor.com/api/v1/coas/uuid/98afaf6e-ee36-4b6c-a0e2-1b909c060dbf>

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.

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 17025:2005 Accredited A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).


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