

Prepared for:

DEFY LLC700 N Colorado Blvd., STE 354
Denver, CO United States 80220**Defy immunity gummy final (04/7/22)**

Batch ID or Lot Number: 277-004	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 3
Reported: 11Apr2022	Started: 07Apr2022	Received: 07Apr2022	

**Microbial
Contaminants -
Colorado Compliance**

Test ID: T000201964

Methods: TM25 (qPCR) TM24, TM26,
TM27 (Culture Plating): Microbial
(Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	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 ApprovalEden Thompson-Wright
10Apr2022
12:55:00 PM MDTBrett Hudson
11Apr2022
02:32:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

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DEFY LLC

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Denver, CO United States 80220

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Cannabinoids - Colorado Compliance


Test ID: T000201962

Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	10.779	37.116	ND	ND	# of Servings = 1 Sample Weight=150g
Cannabichromenic Acid (CBCA)	9.859	33.948	ND	ND	
Cannabidiol (CBD)	28.470	92.852	804.499	5.36	
Cannabidiolic Acid (CBDA)	29.200	95.233	ND	ND	
Cannabidivarin (CBDV)	6.733	21.960	ND	ND	
Cannabidivarinic Acid (CBDVA)	12.181	39.727	ND	ND	
Cannabigerol (CBG)	6.120	21.073	ND	ND	
Cannabigerolic Acid (CBGA)	25.584	88.094	ND	ND	
Cannabinol (CBN)	7.984	27.492	ND	ND	
Cannabinolic Acid (CBNA)	17.455	60.104	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	30.480	104.951	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	27.681	95.315	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	24.526	84.449	ND	ND	
Tetrahydrocannabivarin (THCV)	5.567	19.168	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	21.633	74.488	ND	ND	
Total Cannabinoids			804.499	5.36	
Total Potential THC			ND	ND	
Total Potential CBD			804.499	5.36	

Final Approval


Hannah Wright
11Apr2022
04:55:00 PM MDT
PREPARED BY / DATE


Ryan Weems
11Apr2022
05:02:00 PM MDT
APPROVED BY / DATE

Water Activity (Aw)

Test ID: T000201965

Methods: TM-29 (Chilled Mirror Dew

Point)	Result	Notes
Aw	0.78	Free from visual mold, mildew, and foreign matter

Final Approval


Hannah Wright
11Apr2022
05:03:00 PM MDT
PREPARED BY / DATE


Ryan Weems
12Apr2022
06:26:00 PM MDT
APPROVED BY / DATE

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DEFY LLC

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<https://results.botanacor.com/api/v1/coas/uuid/3bed15fc-e89d-4e15-b0cc-2c2f1943baba>**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 \times (0.877)) and Total CBD = CBD + (CBDa \times (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 \times (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 17025:2005 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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