

CERTIFICATE OF ANALYSIS


Prepared for:

DEFY LLC700 N. Colorado Blvd
Denver, CO USA 80206**Defy Recover Immunity Gummy**

Batch ID or Lot Number: Lot: 277-1329	Test: Potency	Reported: 26Apr2023	USDA License: N/A
Matrix: Unit	Test ID: T000242451	Started: 25Apr2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 25Apr2023	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.457	1.095	ND	ND	# of Servings = 1, Sample Weight=5g
Cannabichromenic Acid (CBCA)	0.418	1.002	ND	ND	
Cannabidiol (CBD)	1.140	2.854	28.870	5.80	
Cannabidiolic Acid (CBDA)	1.169	2.928	ND	ND	
Cannabidivarin (CBDV)	0.270	0.675	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.488	1.221	ND	ND	
Cannabigerol (CBG)	0.260	0.622	ND	ND	
Cannabigerolic Acid (CBGA)	1.086	2.599	ND	ND	
Cannabinol (CBN)	0.339	0.811	ND	ND	
Cannabinolic Acid (CBNA)	0.741	1.773	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	1.293	3.096	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	1.175	2.812	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	1.041	2.492	ND	ND	
Tetrahydrocannabivarin (THCV)	0.236	0.566	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.918	2.198	ND	ND	
Total Cannabinoids			28.870	5.80	
Total Potential THC			ND	ND	
Total Potential CBD			28.870	5.80	

Final ApprovalSam Smith
26Apr2023
03:21:00 PM MDT

PREPARED BY / DATE

Karen Winternheimer
26Apr2023
03:23:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/97651056-f3ea-4ef8-a559-6ccfd08dccb8>**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



CDPHE Certified

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Prepared for:

DEFY LLC

700 N. Colorado Blvd
Denver, CO USA 80206

Defy Recover CBD Gummies

Batch ID or Lot Number: Lot: 277-1329	Test: Microbial Contaminants	Reported: 01May2023	USDA License: NA
Matrix: Finished Product	Test ID: T000242665	Started: 28Apr2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 28Apr2023	Status: NA

Microbial

Contaminants

	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 Approval



Brett Hudson
01May2023
02:27:00 PM MDT

PREPARED BY / DATE



Eden Thompson-Wright
01May2023
04:56:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/0766e6b4-7399-462c-b43f-03387f9b9c3f>

Definitions

* 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
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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Prepared for:

DEFY LLC

700 N. Colorado Blvd
Denver, CO USA 80206

Recover CBD Gummies

Batch ID or Lot Number:

Lot: 277-1329

Test, Test ID and Methods:

Various

Matrix:

Concentrate

Page 1 of 4

Reported:

11May2023

Started:

10May2023

Received:

10May2023

Pesticides

Test ID: T000243692

Methods: TM17

(LC-QQ LC MS/MS)

Dynamic Range (ppb)

Result (ppb)

Abamectin	378 - 2769	ND
Acephate	43 - 2754	ND
Acetamiprid	40 - 2768	ND
Azoxystrobin	42 - 2784	ND
Bifenazate	40 - 2782	ND
Boscalid	42 - 2628	ND
Carbaryl	43 - 2760	ND
Carbofuran	43 - 2732	ND
Chlorantraniliprole	43 - 2646	ND
Chlorpyrifos	44 - 2784	ND
Clofentezine	275 - 2759	ND
Diazinon	292 - 2802	ND
Dichlorvos	285 - 2827	ND
Dimethoate	40 - 2771	ND
E-Fenpyroximate	306 - 2809	ND
Etofenprox	42 - 2769	ND
Etoxazole	318 - 2742	ND
Fenoxycarb	28 - 2816	ND
Fipronil	66 - 2797	ND
Flonicamid	46 - 2843	ND
Fludioxonil	302 - 2682	ND
Hexythiazox	41 - 2779	ND
Imazalil	277 - 2819	ND
Imidacloprid	45 - 2816	ND
Kresoxim-methyl	38 - 2811	ND

Dynamic Range (ppb)

Result (ppb)

Malathion	287 - 2799	ND
Metalaxyl	38 - 2811	ND
Methiocarb	44 - 2678	ND
Methomyl	40 - 2805	ND
MGK 264 1	168 - 1670	ND
MGK 264 2	112 - 1086	ND
Myclobutanil	40 - 2671	ND
Naled	45 - 2772	ND
Oxamyl	41 - 2799	ND
Paclobutrazol	43 - 2746	ND
Permethrin	293 - 2838	ND
Phosmet	40 - 2782	ND
Prophos	299 - 2688	ND
Propoxur	43 - 2750	ND
Pyridaben	316 - 2744	ND
Spinosad A	32 - 2092	ND
Spinosad D	66 - 670	ND
Spiromesifen	293 - 2785	ND
Spirotetramat	287 - 2858	ND
Spiroxamine 1	18 - 1197	ND
Spiroxamine 2	25 - 1510	ND
Tebuconazole	288 - 2788	ND
Thiacloprid	41 - 2742	ND
Thiamethoxam	39 - 2800	ND
Trifloxystrobin	42 - 2727	ND

Final Approval



Karen Winterheimer
11May2023
10:16:00 AM MDT

PREPARED BY / DATE



Sam Smith
11May2023
10:25:00 AM MDT

APPROVED BY / DATE

Prepared for:

DEFY LLC

700 N. Colorado Blvd
Denver, CO USA 80206

Recover CBD Gummies

Batch ID or Lot Number: Lot: 277-1329	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 4
Reported: 11May2023	Started: 10May2023	Received: 10May2023	

Residual Solvents

Test ID: T000243694

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	114 - 2277	ND	
Butanes (Isobutane, n-Butane)	234 - 4672	ND	
Methanol	69 - 1380	ND	
Pentane	115 - 2300	ND	
Ethanol	113 - 2266	ND	
Acetone	114 - 2286	ND	
Isopropyl Alcohol	116 - 2324	ND	
Hexane	7 - 138	ND	
Ethyl Acetate	117 - 2331	ND	
Benzene	0.2 - 4.9	ND	
Heptanes	123 - 2457	ND	
Toluene	21 - 416	ND	
Xylenes (m,p,o-Xylenes)	152 - 3049	ND	

Final Approval



Karen Winternheimer
12May2023
01:23:00 PM MDT

PREPARED BY / DATE



Sam Smith
12May2023
01:25:00 PM MDT

APPROVED BY / DATE

Heavy Metals

Test ID: T000243693

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.78	ND	
Cadmium	0.05 - 4.90	ND	
Mercury	0.05 - 4.85	ND	
Lead	0.01 - 1.44	ND	

Final Approval



Sam Smith
16May2023
09:21:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer
16May2023
09:26:00 AM MDT

APPROVED BY / DATE

Prepared for:

DEFY LLC

700 N. Colorado Blvd
Denver, CO USA 80206

Recover CBD Gummies

Batch ID or Lot Number: Lot: 277-1329	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 4
Reported: 11May2023	Started: 10May2023	Received: 10May2023	

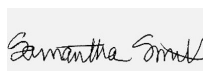
Cannabinoids

Test ID: T000243691


Methods: TM20 (HPLC-DAD)

	Dynamic Range (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.001 - 0.680	ND	0.00	N/A
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.002 - 1.362	ND	0.00	N/A
Total Potential THC	-	ND	0.00	

Final Approval

 Sam Smith
17May2023
08:43:00 AM MDT

PREPARED BY / DATE

 Karen Winternheimer
17May2023
08:45:00 AM MDT

APPROVED BY / DATE

Mycotoxins

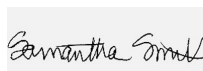
Test ID: T000243695

Methods: TM18 (UHPLC-QQQ)


LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.92 - 132.72	ND	N/A
Aflatoxin B1	0.98 - 33.69	ND	
Aflatoxin B2	0.98 - 33.95	ND	
Aflatoxin G1	1.05 - 33.52	ND	
Aflatoxin G2	1.08 - 34.28	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

 Sam Smith
17May2023
09:54:00 AM MDT

PREPARED BY / DATE

 Karen Winternheimer
17May2023
09:56:00 AM MDT

APPROVED BY / DATE

Prepared for:

DEFY LLC

700 N. Colorado Blvd
Denver, CO USA 80206

Recover CBD Gummies

Batch ID or Lot Number:

Lot: 277-1329

Test, Test ID and Methods:

Various

Matrix:

Concentrate

Page 4 of 4

Reported:

11May2023

Started:

10May2023

Received:

10May2023



<https://results.botanacor.com/api/v1/coas/uuid/3032566a-2959-46e9-8d42-1faefe58617f>

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.

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