



# Certificate of Analysis

<b>Order #</b> 2309HBR0014	Receipt Date: 9/21/2023 11:09	Product Name: Go Botanicals Extra Strength Gummies
Order Date: 9/20/2023	Completion Date: 10/12/2023 17:13	Seed to Sale #:
<b>Sample #</b> 2309HBR0014-004	Initial Gross Weight: 125.2 g	Batch #: 230286
Sampling Date: 9/21/2023 00:09	Total Batch Wgt or Vol:	Lot ID: 230286

<b>Client:</b> Go Botanicals	Batch Date: 9/21/2023	Sampling Method: LAB-025	Cultivation Facility:
Address: 401 E. Sonterra Blvd STE 375	Extracted From: Hemp	Matrix: Edible Gummy	Cultivation Date: 9/20/2023
Address: San Antonio, UT 78258	Cultivars: Isolate	Test Reg State: Hemp FL	Production Facility: Plant 6
	Description: Gummy		Production Date: 9/20/2023

## SUMMARY



<b>TESTED</b> Potency	<b>TESTED</b> Terpenes	<b>PASSED</b> Pesticides	<b>PASSED</b> Heavy Metals	<b>PASSED</b> Total Contaminant Load	<b>PASSED</b> Residual Solvents	<b>TESTED</b> Total Aerobic Bacteria
<b>PASSED</b> Mycotoxins	<b>PASSED</b> Microbials	<b>PASSED</b> Total Yeast and Mold	<b>PASSED</b> Filtration and Foreign Material	<b>PASSED</b> Water Activity	<b>NOT TESTED</b> Moisture	<b>NOT TESTED</b> Homogeneity

## POTENCY TESTED

Analyte	LOD (mg/g)	Result (mg/g)	Result %	mg/unit
CBD	0.00001	12.8	1.28	34.51
CBC	0.000004	ND	ND	N/A
CBDA	0.000012	ND	ND	N/A
CBDV	0.000017	ND	ND	N/A
CBG	0.000015	ND	ND	N/A
CBGA	0.000008	ND	ND	N/A
CBN	0.000009	ND	ND	N/A
d8-THC	0.000246	ND	ND	N/A
d9-THC	0.00002	ND	ND	N/A
THCA	0.000012	ND	ND	N/A
THCV	0.000015	ND	ND	N/A

## POTENCY SUMMARY

Total THC 0.000%	Total THC/Unit 0.000 mg	THC Label Claim N/A	Total Cannabinoids 1.28%
Total CBD 1.28%	Total CBD/Unit 34.51 mg	CBD Label Claim N/A	Total Cannabinoids/Unit 34.512 mg

Sample Prepared By: 040	Date/Time: 10/2/2023 10:57	Sample Analyzed By: 040	Date/Time: 10/2/2023 11:01
Batch Reviewed By: 027	Date/Time: 10/2/2023 12:23	Analysis #	POTENCY 3 HPLC2.batch.bin
Specimen wt (g): 0.5241		Dilution:	100
Analysis Method: TM-001 Potency		Instrument Used:	HPLC

## TERPENES SUMMARY

Analyte	Result (ug/g)	Result %
(+/-)-Borneol	ND	ND
(+/-)-Fenchone	ND	ND
[+/-]-Camphor	ND	ND
alpha-Bisabolol	ND	ND
alpha-Cedrene	ND	ND
alpha-Humulene	ND	ND
alpha-Phellandrene	ND	ND
alpha-Pinene	ND	ND
alpha-Terpinene	ND	ND
alpha-terpinolene	ND	ND

**Total Terpenes:**  
Showing top 10 Terpenes, full analysis on the following page.

Definitions and Abbreviations used in this report: Total THC = Delta 9 THC + (THCA\*0.877), Total CBD = CBD + (CBDA\*0.877), Total Cannabinoids = THC + THCA + CBD + CBDA + CBG + CBGA + Delta 8 THC + THCV + CBDV + CBC + CBN, Total THC and Total CBD are expressed as mg in total package weight, (Dilution) = Dilution Factor, (%) = Percent, (mg/g) = Milligrams per Gram, (mg/mL) = Milligrams per Milliliter, (mg/kg) = Milligrams per Kilogram, (ug/kg) = Microgram per Kilogram, (cfu/g) = Colony Forming Unit per Gram, Action Limit of Absent is equivalent to < 1 cfu/g, (aw) = Water Activity, (LOD) = Limit of Detection, (LOQ) = Limit of Quantitation, (ppm) = parts per million; (ppb) = parts per billion; Units for ppm also expressed as (mg/kg); Units for ppb also expressed as (ug/kg).  
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*A. Repay*  
**Anthony Repay**  
Lab Director-Micro

10/12/2023 17:13



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<b>Sample #</b> 2309HBR0014-004	Initial Gross Weight: 125.2 g	Batch #: 230286
Sampling Date: 9/21/2023 00:09	Total Batch Wgt or Vol:	Lot ID: 230286

<b>Client:</b> Go Botanicals	Batch Date: 9/21/2023	Sampling Method: LAB-025	Cultivation Facility:
Address: 401 E. Sonterra Blvd STE 375	Extracted From: Hemp	Matrix: Edible Gummy	Cultivation Date: 9/20/2023
Address: San Antonio, UT 78258	Cultivars: Isolate	Test Reg State: Hemp FL	Production Facility: Plant 6
	Description: Gummy		Production Date: 9/20/2023

TERPENES				TESTED			
Analyte	LOD (ug/g)	Result (ug/g)	Result %	Analyte	LOD (ug/g)	Result (ug/g)	Result %
alpha-Pinene	8	ND	ND	Camphene	10	ND	ND
Isopulegol	59	ND	ND	delta-3-Carene	16	ND	ND
alpha-Terpinene	94	ND	ND	Eucalyptol	56	ND	ND
gamma-Terpinene	6	ND	ND	alpha-terpinolene	17	ND	ND
Linalool	18	ND	ND	Geraniol	13	ND	ND
alpha-Humulene	21	ND	ND	Z-Nerolidol	22	ND	ND
Menthol	44	ND	ND	E-Nerolidol	19	ND	ND
Guaiol	24	ND	ND	E-Caryophyllene	31	ND	ND
Nerol	25	ND	ND	alpha-Bisabolol	20	ND	ND
Valencene	27	ND	ND	D-Limonene	15	ND	ND
alpha-Cedrene	20	ND	ND	Sabinene	29	ND	ND
Endo-Fenchyl Alcohol	40	ND	ND	Terpineol	31	ND	ND
Pulegone	11	ND	ND	[+/-]-Camphor	62	ND	ND
Isoborneol	74	ND	ND	(+/-)-Fenchone	21	ND	ND
Ocimenes	31	ND	ND	Cedrol	7	ND	ND
Farnesene	130	ND	ND	Geranyl acetate	19	ND	ND
alpha-Phellandrene	19	ND	ND	beta-Pinene	26	ND	ND
beta-Myrcene	50	ND	ND	Caryophyllene Oxide	191	ND	ND
(+/-)-Borneol	15	ND	ND	Sabinene Hydrate	21	ND	ND

<b>Sample Prepared By:</b> 039	<b>Date/Time:</b> 9/22/2023 14:54	<b>Sample Analyzed By:</b> 039	<b>Date/Time:</b> 9/25/2023 13:36
<b>Batch Reviewed By:</b> 012	<b>Date/Time:</b> 9/25/2023 14:01	<b>Analysis #</b>	09222023 Terps 1.batch.bin
<b>Specimen wt:</b> 0.5221		<b>Dilution:</b>	50
<b>Analysis Method:</b> TM-004 Terpenes		<b>Instrument Used:</b>	LI-GCMS

**Total Terpenes:** %

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**Order Date:** 9/20/2023      Completion Date: 10/12/2023 17:13      Seed to Sale #:  
**Sample #** 2309HBR0014-004      Initial Gross Weight: 125.2 g      Batch #: 230286  
**Sampling Date:** 9/21/2023 00:09      Total Batch Wgt or Vol:      Lot ID: 230286

**Client:** Go Botanicals      Batch Date: 9/21/2023      Sampling Method: LAB-025      Cultivation Facility:  
**Address:** 401 E. Sonterra Blvd STE 375      Extracted From: Hemp      Matrix: Edible Gummy      Cultivation Date: 9/20/2023  
**Address:** San Antonio, UT 78258      Cultivars: Isolate      Test Reg State: Hemp FL      Production Facility: Plant 6  
 Description: Gummy      Production Date: 9/20/2023

PESTICIDES					PASSED				
Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status	Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Abamectin	14.3	300	ND	Pass	Acephate	8.4	3000	ND	Pass
Acequinocyl	14.4	2000	ND	Pass	Acetamiprid	9.3	3000	ND	Pass
Aldicarb	11.4	100	ND	Pass	Azoxystrobin	14	3000	ND	Pass
Bifenazate	14.3	3000	ND	Pass	Bifenthrin	11.1	500	ND	Pass
Boscalid	13.1	3000	ND	Pass	Captan	13.3	3000	ND	Pass
Carbaryl	14.2	500	ND	Pass	Carbofuran	8.4	100	ND	Pass
Chlorantraniliprole	26.4	3000	ND	Pass	Chlordane	10	100	ND	Pass
Chlorfenapyr	6.8	100	ND	Pass	Chlormequat chloride	23.1	3000	ND	Pass
Chlorpyrifos	15.6	100	ND	Pass	Clofentezine	13.6	500	ND	Pass
Coumaphos	3.9	100	ND	Pass	Cyfluthrin	7.6	1000	ND	Pass
Cypermethrin	14	1000	ND	Pass	Daminozide	13.5	100	ND	Pass
Diazinon	11.2	200	ND	Pass	Dichlorvos	14.4	100	ND	Pass
Dimethoate	15.1	100	ND	Pass	Dimethomorph	16.7	3000	ND	Pass
Ethoprophos	14.7	100	ND	Pass	Etofenprox	9.4	100	ND	Pass
Etoxazole	11.2	1500	ND	Pass	Fenhexamid	13.7	3000	ND	Pass
Fenoxycarb	14.4	100	ND	Pass	Fenpyroximate	12.9	2000	ND	Pass
Fipronil	12.3	100	ND	Pass	Fonicamid	12.8	2000	ND	Pass
Fludioxonil	12.5	3000	ND	Pass	Hexythiazox	12.7	2000	ND	Pass
Imazalil	14.4	100	ND	Pass	Imidacloprid	28.6	3000	ND	Pass
Kresoxim-methyl	10	1000	ND	Pass	Malathion	19.2	2000	ND	Pass
Metalaxyl	12.2	3000	ND	Pass	Methiocarb	14.6	100	ND	Pass
Methomyl	9.6	100	ND	Pass	Methyl parathion	9.1	100	ND	Pass
Mevinphos	11.4	100	ND	Pass	Myclobutanil	11.4	3000	ND	Pass
Naled	15.1	500	ND	Pass	Oxamyl	7.6	500	ND	Pass
Paclobutrazol	12.4	100	ND	Pass	Pentachloronitrobenzene	8.4	200	ND	Pass
Permethrin	9.7	1000	ND	Pass	Phosmet	12.6	200	ND	Pass
Piperonylbutoxide	8	3000	ND	Pass	Prallethrin	13.2	400	ND	Pass
Propiconazole	14.6	1000	ND	Pass	Propoxur	8.7	100	ND	Pass
Pyrethrins	25.0	1000	ND	Pass	Pyridaben	12.4	3000	ND	Pass
Spinetoram	12.2	3000	ND	Pass	Spinosad A and D	11.8	3000	ND	Pass
Spiromesifen	14.9	3000	ND	Pass	Spirotetramat	13.5	3000	ND	Pass
Spiroxamine	14.7	100	ND	Pass	Tebuconazole	13	1000	ND	Pass
Thiacloprid	8.2	100	ND	Pass	Thiamethoxam	13.4	1000	ND	Pass
Trifloxystrobin	7	3000	ND	Pass					

Sample Prepared By: 034    Date/Time: 9/23/2023 13:36    Specimen wt (g): 1.0195    Dilution: 125    Analysis # 2023\_09\_22 GC2 PEST1.batch.bin  
 Sample Analyzed By: 034    Date/Time: 9/23/2023 13:44    Analysis Method: TM-003 Pesticides  
 Batch Reviewed By: 027    Date/Time: 9/25/2023 14:46    Instrument Used: GC/MS/MS

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Sample # 2309HBR0014-004	Initial Gross Weight: 125.2 g	Batch #: 230286
Sampling Date: 9/21/2023 00:09	Total Batch Wgt or Vol:	Lot ID: 230286

<b>Client:</b> Go Botanicals	Batch Date: 9/21/2023	Sampling Method: LAB-025	Cultivation Facility:
Address: 401 E. Sonterra Blvd STE 375	Extracted From: Hemp	Matrix: Edible Gummy	Cultivation Date: 9/20/2023
Address: San Antonio, UT 78258	Cultivars: Isolate	Test Reg State: Hemp FL	Production Facility: Plant 6
	Description: Gummy		Production Date: 9/20/2023

Sample Prepared By: 034	Date/Time: 9/23/2023 13:36	Specimen wt (g): 1.0195	Dilution: 125	Analysis # 2023_09_22 LC1 PEST 1.batch.bin
Sample Analyzed By: 034	Date/Time: 9/23/2023 13:44	Analysis Method: TM-002 Pesticides and Mycotoxins		
Batch Reviewed By: 027	Date/Time: 9/25/2023 14:46	Instrument Used: LC/MS/MS		

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<b>Client:</b> Go Botanicals	Batch Date: 9/21/2023	Sampling Method: LAB-025	Cultivation Facility:
Address: 401 E. Sonterra Blvd STE 375	Extracted From: Hemp	Matrix: Edible Gummy	Cultivation Date: 9/20/2023
Address: San Antonio, UT 78258	Cultivars: Isolate	Test Reg State: Hemp FL	Production Facility: Plant 6
	Description: Gummy		Production Date: 9/20/2023

## HEAVY METALS PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Lead	20.7	500	< LOQ	Pass
Arsenic	26.2	1500	ND	Pass
Cadmium	18.9	500	ND	Pass
Mercury	28.4	3000	ND	Pass

Sample Prepared By: 028	Date/Time: 9/22/2023 12:42	Sample Analyzed By: 028	Date/Time: 9/23/2023 9:49
Batch Reviewed By: 028	Date/Time: 9/23/2023 9:56	Analysis #: ICPMS_1_0922.b	
Specimen wt (g): 0.1141		Dilution: 50	
Analysis Method: TM-006 Heavy Metals		Instrument Used: ICP-MS	

## RESIDUAL SOLVENTS PASSED

Analyte	LOD (mg/kg)	Action Level (mg/kg)	Result (mg/kg)	Status
Acetone	15.2	750	ND	Pass
Acetonitrile	10.3	60	ND	Pass
Benzene	0.1	1	ND	Pass
Butane	22.5	5000	ND	Pass
Chloroform	0.1	2	ND	Pass
1,2-Dichloroethane	0.2	2	ND	Pass
1,1-Dichloroethene	0.3	8	ND	Pass
Ethanol	17.8	5000	ND	Pass
Ethyl acetate	15.3	400	ND	Pass
Ethyl ether	18.9	500	ND	Pass
Ethylene oxide	0.2	5	ND	Pass
Heptane	29.4	5000	ND	Pass
Hexane	27.1	250	ND	Pass
Isopropyl alcohol	15.4	500	ND	Pass
Methanol	22.9	250	ND	Pass
Methylene chloride	0.1	125	ND	Pass
Pentane	27.6	750	ND	Pass
Propane	17.6	5000	ND	Pass
Trichloroethylene	0.1	25	ND	Pass
Toluene	22.6	150	ND	Pass
Total xylenes	20.0	150	ND	Pass

Sample Prepared By: 048	Date/Time: 9/22/2023 15:58	Sample Analyzed By: 039	Date/Time: 9/25/2023 12:47
Batch Reviewed By: 012	Date/Time: 9/25/2023 14:06	Analysis #: 09232023 RSA 1.batch.bin	
Specimen wt (g): 0.2986		Dilution: 5	
Analysis Method: TM-005 Residual Solvents		Instrument Used: HS-GCMS	

## TOTAL CONTAMINANT LOAD

Analyte	Action Level (mg/kg)	Result (mg/kg)	Status
Heavy Metals/Pesticides	30	0	Pass

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Address: San Antonio, UT 78258	Cultivars: Isolate	Test Reg State: Hemp FL	Production Facility: Plant 6
	Description: Gummy		Production Date: 9/20/2023

MYCOTOXINS		PASSED		
Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Aflatoxin B1	1.5	20	ND	Pass
Aflatoxin B2	2.7	20	ND	Pass
Aflatoxin G1	2.5	20	ND	Pass
Aflatoxin G2	2.5	20	ND	Pass
Ochratoxin A	2.9	20	ND	Pass
Total Aflatoxin				N/A

  

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
034	9/23/2023 13:36	034	9/25/2023 13:03
Batch Reviewed By:	Date/Time:	Analysis #	
012	9/25/2023 13:53	2023_09_22 LC1 PEST 1.batch.bin	
Specimen wt (g):		Dilution:	
1.0195		125	
Analysis Method:		Instrument Used:	
TM-002 Pesticides and Mycotoxins		LC/MS/MS	

TOTAL YEAST AND MOLD		PASSED		
Analyte	Action Level (cfu/g)	Result (cfu/g)	Status	
Total Combined Yeasts & Molds	100000	ND	Pass	
Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:	
022	9/25/2023 10:09	022	9/25/2023 10:22	
Batch Reviewed By:	Date/Time:	Analysis #		
027	9/25/2023 12:33	2		
Specimen wt (g):		Dilution:		
1.05		10		
Analysis Method:		Instrument Used:		
TM-012 Yeast and Molds		Incubator		

MICROBIAL		PASSED		
Analyte	Action Level (present in 1 g)	Result (present in 1 g)	Status	
Salmonella	Present	Absent	Pass	
Shiga Toxin E. coli	Present	Absent	Pass	
Total Aspergillus*	Present	Absent	Pass	

  

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
043	9/23/2023 14:04	043	9/23/2023 14:10
Batch Reviewed By:	Date/Time:	Analysis #	
027	9/25/2023 11:26	4	
Specimen wt (g):		Dilution:	
1.00		1	
Analysis Method:		Instrument Used:	
TM-011 Microbiology		qPCR	

\* Total Aspergillus represents the sum of the results of Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, and Aspergillus terreus.

FILTH & FOREIGN MATERIAL		PASSED		
Analyte	Action Level	Result	Status	
Feces Amount (mg/kg)	0.5	0.000	Pass	
Filth (%)	1	0.000	Pass	
Sample Analyzed By:	Date/Time:			
044	9/22/2023 11:09			
Batch Reviewed By:	Date/Time:	Analysis #		
027	9/25/2023 11:09	FF		
Specimen wt (g):				
15.0				
Analysis Method:		Instrument Used:		
TM-010 Filth and Foreign Material		Electronic Balance		

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*A. Repay*  
**Anthony Repay** Lab Director-Micro

10/12/2023 17:13



# Certificate of Analysis

<b>Order #</b> 2309HBR0014	Receipt Date: 9/21/2023 11:09	Product Name: Go Botanicals Extra Strength Gummies
Order Date: 9/20/2023	Completion Date: 10/12/2023 17:13	Seed to Sale #:
<b>Sample #</b> 2309HBR0014-004	Initial Gross Weight: 125.2 g	Batch #: 230286
Sampling Date: 9/21/2023 00:09	Total Batch Wgt or Vol:	Lot ID: 230286

<b>Client:</b> Go Botanicals	Batch Date: 9/21/2023	Sampling Method: LAB-025	Cultivation Facility:
Address: 401 E. Sonterra Blvd STE 375	Extracted From: Hemp	Matrix: Edible Gummy	Cultivation Date: 9/20/2023
Address: San Antonio, UT 78258	Cultivars: Isolate	Test Reg State: Hemp FL	Production Facility: Plant 6
	Description: Gummy		Production Date: 9/20/2023

## WATER ACTIVITY PASSED

Analyte	Action Level (aw)	Result (aw)	Status
Water Activity	0.85	0.64	Pass
Sample Analyzed By:	Date/Time		
032	9/22/2023 17:33		
Batch Reviewed By:	Date/Time:	Analysis #	
027	9/25/2023 11:49	WA	
Specimen wt (g):			
1.04			
Analysis Method:	Instrument Used:		
TM-007 Water Activity	Water Activity Probe		

## MOISTURE NOT TESTED

Analyte	Action Level (%)	Result (%)	Status
Moisture Content			N/A
Sample Analyzed By:	Date/Time:		
Batch Reviewed By:	Date/Time:	Analysis #	
Specimen wt (g):			
Analysis Method:	Instrument Used:		

## TOTAL AEROBIC BACTERIA TESTED

Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Aerobic Bacteria		0.0	N/A
Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
022	9/25/2023 13:22	022	9/25/2023 13:22
Batch Reviewed By:	Date/Time:	Analysis #	
027	9/25/2023 14:53	1	
Specimen wt (g):	Dilution:		
1.01	10.00		
Analysis Method:	Instrument Used:		
TM-013, Total Aerobic Count	Incubator		

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**Anthony Repay**      **Lab Director-Micro**

**10/12/2023 17:13**