



Sunflora  
 Order #: 87678  
 Retail Batch #:  
 0724HY21

**CERTIFICATE OF ANALYSIS**  
 ISO/IEC: 17025:2017 Accreditation #:  
 103104  
 License #: CMTL-00004

### Order Information

Order #: 87678  
 Order Name: 2:1 Beyond Hybrid Gummy  
 Retail Batch #: 0724HY21  
 Received: 07/08/2024 13:19:08  
 Complete: 07/23/2024 23:48:03

### Batch Information

Create Date: Total Qty.: 0  
 Exp. Date: Matrix: Edible/Food  
 Size: 0 Pickup Weight: N/A

<b>CANNABINOID PROFILE</b> <b>TESTED</b>	<b>LABEL CLAIM</b> <b>NOT APPLICABLE</b>	<b>MICROBIAL ANALYSIS</b> <b>PASS</b>
<b>RESIDUAL SOLVENTS</b> <b>PASS</b>	<b>AGRICULTURAL AGENTS</b> <b>PASS</b>	<b>HEAVY METAL ANALYSIS</b> <b>PASS</b>
<b>TERPENES TOTAL</b> <b>TESTED</b>	<b>MOISTURE ANALYSIS</b> <b>NOT TESTED</b>	<b>WATER ACTIVITY</b> <b>TESTED</b>
<b>FILTH &amp; FOREIGN MATERIAL ANALYSIS</b> <b>PASS</b>	<b>HOMOGENEITY</b> <b>NOT TESTED</b>	<b>MYCOTOXIN ANALYSIS</b> <b>PASS</b>



**0.1695 %**  
 Total THC

**0.3280 %**  
 Total CBD

**0.4975 %**  
 Total Cannabinoids

**Robert Miller PhD.**

Laboratory Director



**ACT Laboratories Florida**  
 4001 SW 47th Avenue, Suite 208  
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Order #: 87678  
Retail Batch #:  
0724HY21

**Sample Prep**

Tech: 3445  
SOP: 418  
Batch Number: 63210  
Batch Date: 07/09/2024 11:25:29

**Sample Analysis**

Date/Time: 07/12/2024 16:43:29  
Tech: 3445  
SOP: 417  
Final Weight: 1.0082 g  
Volume: 10 ml

**CANNABINOID PROFILE**

HPLC-DAD

<b>0.1695 %</b> Total THC	<b>9.712 mg</b> THC Per Unit	<b>291.370 mg</b> THC Per Pkg
<b>0.3280 %</b> Total CBD	<b>18.794 mg</b> CBD Per Unit	<b>563.832 mg</b> CBD Per Pkg
<b>0.4975 %</b> Total Cannabinoids	<b>28.506 mg</b> Cannabinoids Per Unit	<b>855.202 mg</b> Cannabinoids Per Pkg

**Cannabinoid Potency**

ANALYTE	LOD/LOQ (mg/g)	DIL.	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE	LABEL CLAIM (mg)	% LABEL VAR.
CBC	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBD	0.064/0.1954	1	0.3280	3.280	18.794	563.832	--	--
CBDA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBDV	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBG	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBGA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBN	0.064/0.1954	1	ND	ND	ND	ND	--	--
d8-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--
d9-THC	0.064/0.1954	1	0.1695	1.695	9.712	291.370	--	--
THCA	0.064/0.1954	1	ND	ND	ND	ND	--	--
THCV	0.064/0.1954	1	ND	ND	ND	ND	--	--

**Additional Cannabinoids**

ANALYTE	LOD/LOQ (mg/g)	DIL.	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE	LABEL CLAIM (mg)	% LABEL VAR.
CBDVA	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBL	0.064/0.1954	1	ND	ND	ND	ND	--	--
CBT	0.064/0.1954	1	ND	ND	ND	ND	--	--
d10-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--
d9-THCP	0.064/0.1954	1	ND	ND	ND	ND	--	--
exo-THC	0.064/0.1954	1	ND	ND	ND	ND	--	--

mg/unit = 5.73 (g) per unit x cannabinoid concentration (mg/g)  
Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA)  
ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation

CANNABINOID TOTALS	WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE
Total THC	0.1695	1.695	9.712	291.370
Total CBD	0.3280	3.280	18.794	563.832
Total Cannabinoids	0.4975	4.975	28.506	855.202

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### Agricultural Agents

GC-MS/MS

**PASS**

#### Sample Prep

Tech: 4481  
SOP: 402  
Batch Number: 63274  
Batch Date: 07/18/2024 13:49:08

#### Sample Analysis

Date/Time: 07/22/2024 17:40:45  
Tech: 3445  
SOP: 402  
Final Weight: 0.5112 g  
Volume: 10 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL (ppm)	RESULTS (ppm)
Captan	0.07/0.1	1	3	ND
Chlordane	0.01/0.1	1	0.1	ND
Chlorfenapyr	0.01/0.1	1	0.1	ND
Coumaphos	0.01/0.1	1	0.1	ND
Cyfluthrin	0.01/0.1	1	1	ND
Cypermethrin	0.01/0.1	1	1	ND
Methyl parathion	0.01/0.1	1	0.1	ND
Pentachloronitrobenzene	0.01/0.1	1	0.2	ND

### MYCOTOXIN ANALYSIS

LC-MS/MS

**PASS**

#### Sample Prep

Tech: 4481  
SOP: 432  
Batch Number: 63277  
Batch Date: 07/18/2024 17:13:24

#### Sample Analysis

Date/Time: 07/23/2024 12:22:51  
Tech: 3445  
SOP: 424  
Final Weight: 0.1083 g  
Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LEVEL (ppb)	RESULTS (ppb)
Aflatoxin B1	2/10	1	20	ND
Aflatoxin B2	2/10	1	20	ND
Aflatoxin G1	2/10	1	20	ND
Aflatoxin G2	2/5	1	20	ND
Ochratoxin A	2/10	1	20	ND

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**Agricultural Agents**

LC-MS/MS

**PASS**

**Sample Prep**

Tech: 4481  
SOP: 432  
Batch Number: 63277  
Batch Date: 07/18/2024 17:13:24

**Sample Analysis**

Date/Time: 07/23/2024 12:22:51  
Tech: 3445  
SOP: 424  
Final Weight: 0.1083 g  
Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL(ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT(ppm)	RESULTS (ppm)
Abamectin B1a	0.002/0.035	1	0.3	ND	Imazalil	0.002/0.01	1	0.1	ND
Acephate	0.002/0.04	1	3	ND	Imidacloprid	0.002/0.002	1	3	ND
Acequinocyl	0.002/0.002	1	2	ND	Kresoxim-methyl	0.002/0.002	1	1	ND
Acetamiprid	0.002/0.002	1	3	ND	Malathion	0.01/0.04	1	2	ND
Aldicarb	0.002/0.01	1	0.1	ND	Metalaxyl	0.002/0.004	1	3	ND
Azoxystrobin	0.002/0.04	1	3	ND	Methiocarb	0.002/0.01	1	0.1	ND
Bifenazate	0.002/0.002	1	3	ND	Methomyl	0.002/0.002	1	0.1	ND
Bifenthrin	0.002/0.002	1	0.5	ND	Mevinphos	0.009/0.036	1	0.1	ND
Boscalid	0.01/0.05	1	3	ND	Myclobutanil	0.002/0.04	1	3	ND
Carbaryl	0.002/0.004	1	0.5	ND	Naled	0.002/0.01	1	0.5	ND
Carbofuran	0.002/0.01	1	0.1	ND	Oxamyl	0.002/0.002	1	0.5	ND
Chlorantraniliprole	0.002/0.01	1	3	ND	Paclobutrazol	0.002/0.004	1	0.1	ND
Chlormequat chloride	0.002/0.004	1	3	ND	Permethrins	0.002/0.01	1	1	ND
Chlorpyrifos	0.002/0.01	1	0.1	ND	Phosmet	0.002/0.002	1	0.2	ND
Clofentezine	0.002/0.002	1	0.5	ND	Piperonyl Butoxide	0.002/0.002	1	3	ND
Daminozide	0.01/0.04	1	0.1	ND	Prallethrin	0.002/0.01	1	0.4	ND
Diazinon	0.002/0.01	1	0.2	ND	Propiconazole	0.002/0.04	1	1	ND
Dichlorvos	0.002/0.04	1	0.1	ND	Propoxur	0.002/0.01	1	0.1	ND
Dimethoate	0.002/0.002	1	0.1	ND	Pyrethrins	0.001/0.013	1	1	ND
Dimethomorph	0.001/0.002	1	3	ND	Pyridaben	0.002/0.002	1	3	ND
Ethoprophos	0.002/0.01	1	0.1	ND	Spinetoram	0.001/0.003	1	3	ND
Etofenprox	0.002/0.002	1	0.1	ND	Spinosad	0.001/0.001	1	3	ND
Etoxazole	0.002/0.002	1	1.5	ND	Spiromesifen	0.002/0.002	1	3	ND
Fenhexamid	0.01/0.04	1	3	ND	Spirotetramat	0.002/0.01	1	3	ND
Fenoxycarb	0.002/0.004	1	0.1	ND	Spiroxamine	0.002/0.04	1	0.1	ND
Fenpyroximate	0.002/0.002	1	2	ND	Tebuconazole	0.01/0.04	1	1	ND
Fipronil	0.002/0.004	1	0.1	ND	Thiacloprid	0.002/0.002	1	0.1	ND
Fonicamid	0.002/0.01	1	2	ND	Thiamethoxam	0.002/0.01	1	1	ND
Fludioxonil	0.002/0.004	1	3	ND	Trifloxystrobin	0.002/0.002	1	3	ND
Hexythiazox	0.002/0.004	1	2	ND					

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Retail Batch #:  
0724HY21

**TERPENES TOTAL**

GC-FID

**TESTED (0.000 %)**

**Sample Prep**

Tech: 4481  
SOP: 421  
Batch Number: 63278  
Batch Date: 07/18/2024 18:14:24

**Sample Analysis**

Date/Time: 07/22/2024 17:38:00  
Tech: 3445  
SOP: 419  
Final Weight: 0.4399 g  
Volume: 2.5 ml

TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)	TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)
3-Carene	0.001/0.003	1	ND	Geraniol	0.001/0.003	1	ND
alpha-Bisobolol	0.001/0.003	1	ND	Geranyl acetate	0.001/0.003	1	ND
alpha-Cedrene	0.001/0.003	1	ND	Guaiol	0.001/0.003	1	ND
alpha-Humulene	0.001/0.003	1	ND	Hexahydrothymol	0.001/0.003	1	ND
alpha-Pinene	0.001/0.003	1	ND	Isoborneol	0.001/0.003	1	ND
alpha-Terpinene	0.001/0.003	1	ND	Isopulegol	0.001/0.003	1	ND
beta-Myrcene	0.001/0.003	1	ND	Limonene	0.001/0.003	1	ND
beta-Pinene	0.001/0.003	1	ND	Linalool	0.001/0.003	1	ND
Borneol	0.001/0.003	1	ND	Nerol	0.001/0.003	1	ND
Camphene	0.001/0.003	1	ND	p-Mentha-1,5-diene	0.001/0.003	1	ND
Camphor	0.001/0.003	1	ND	Pulegone	0.001/0.003	1	ND
Caryophyllene oxide	0.001/0.003	1	<LOQ	Sabinene hydrate	0.001/0.003	1	ND
Cedrol	0.001/0.003	1	ND	Terpineol	0.001/0.003	1	ND
cis-Nerolidol	0.001/0.003	1	ND	Terpinolene	0.001/0.003	1	ND
cis-Ocimene	0.001/0.003	1	ND	trans-Caryophyllene	0.001/0.003	1	ND
Eucalyptol	0.001/0.003	1	ND	trans-Nerolidol	0.001/0.003	1	ND
Fenchone	0.001/0.003	1	ND	trans-Ocimene	0.001/0.003	1	ND
Fenchyl alcohol	0.001/0.003	1	ND	Valencene	0.001/0.003	1	ND
gamma-Terpinene	0.001/0.003	1	ND				

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Order #: 87678  
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0724HY21

**RESIDUAL SOLVENTS**

HS-GC-MS

**PASS**

**Sample Prep**

Tech: 3445  
SOP: 405  
Batch Number: 63296  
Batch Date: 07/22/2024 21:19:53

**Sample Analysis**

Date/Time: 07/23/2024 14:21:59  
Tech: 3445  
SOP: 405  
Final Weight: 0.0521 g  
Volume: 1 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT (ppm)	RESULTS (ppm)
1,1-Dichloroethene	0.6/0.63	1	8	ND	Heptane	6/140	1	5000	ND
1,2-Dichloroethane	0.012/0.12	1	2	ND	Hexanes	0.06/18	1	250	ND
Acetone	9/140	1	750	<LOQ	Isopropyl alcohol	3/140	1	500	<LOQ
Acetonitrile	0.72/25	1	60	<LOQ	Methanol	6/100	1	250	<LOQ
Benzene	0.06/1	1	1	ND	Methylene chloride	1.5/1.5	1	125	ND
Butane	48/50	1	5000	ND	Pentane	9/140	1	750	ND
Chloroform	0.2/1	1	2	ND	Propane	30/30	1	5000	ND
Ethanol	12/140	1	5000	906.592	Toluene	0.9/53	1	150	ND
Ethyl acetate	2.4/140	1	400	<LOQ	Total xylenes	1.8/130	1	150	ND
Ethyl ether	6/140	1	500	ND	Trichloroethylene	0.3/1	1	25	ND
Ethylene oxide	0.6/2	1	5	ND					

**HEAVY METAL ANALYSIS**

ICP-MS

**PASS**

**Sample Prep**

Tech: 3445  
SOP: 428  
Batch Number: 63280  
Batch Date: 07/19/2024 13:21:00

**Sample Analysis**

Date/Time: 07/19/2024 19:00:59  
Tech: 3445  
SOP: 428  
Final Weight: 0.2506 g  
Volume: 60 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LIMIT (ppb)	RESULTS (ppb)
Arsenic	20/75	1	1500	ND
Cadmium	20/75	1	500	ND
Lead	20/75	1	500	ND
Mercury	20/75	1	3000	ND

**FILTH & FOREIGN MATERIAL ANALYSIS**

Result: **PASS**

**Sample Prep and Analysis**

Date/Time: 07/18/2024 17:49:04  
Tech: 4481  
SOP: 409  
Final Weight: 54.6 g

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Sunflora  
Order #: 87678  
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0724HY21

**MICROBIAL ANALYSIS**

**PASS**

**Sample Prep**

Tech: 4481  
SOP: 406

Batch Number: 63273  
Batch Date: 07/18/2024 13:39:32

Date/Time: 07/19/2024 16:48:45  
Tech: 3358  
SOP: 406

Final Weight: 1.0098 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total yeast and mold	qPCR	NA	NOT DETECTED	PASS

**Sample Analysis**

**Sample Prep**

Tech: 4481  
SOP: 406

Batch Number: 63272  
Batch Date: 07/18/2024 13:37:35

Date/Time: 07/22/2024 18:45:24  
Tech: 3358  
SOP: 406

Final Weight: 1.0028 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Pathogenic e. coli	qPCR	NA	NOT DETECTED	PASS

**Sample Analysis**

**Sample Prep**

Tech: 4481  
SOP: 406

Batch Number: 63272  
Batch Date: 07/18/2024 13:37:35

Date/Time: 07/22/2024 18:45:24  
Tech: 3358  
SOP: 406

Final Weight: 1.0028 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Aspergillus flavus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus fumigatus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus niger	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus terreus	qPCR	< 1 CFU/g	NOT DETECTED	PASS

**Sample Analysis**

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**MICROBIAL ANALYSIS**

**PASS**

**Sample Prep**

Tech: 4481  
 SOP: 406

Batch Number: 63272  
 Batch Date: 07/18/2024 13:37:35

**Sample Analysis**

Date/Time: 07/22/2024 18:45:24  
 Tech: 3358  
 SOP: 406

Final Weight: 1.0028 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Salmonella	qPCR	< 1 CFU/g	NOT DETECTED	PASS
STEC e. coli	qPCR	< 1 CFU/g	NOT DETECTED	PASS

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**WATER ACTIVITY**

Water Activity Meter  
**Water: 0.634 Aw**

**Sample Prep and Analysis**

**Date/Time:** 07/18/2024 17:59:41

**Tech:** 4481

**SOP:** 407

**Final Weight:** 1.0239 g



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