



Comprehensive Analysis Report

Sample Overview

LOT# YGG01

Client: Intrepid BioSciences None Sample Name: Farmer and Chemist Cherry Gummy CBG Sample Matrix: Gelatinous Cube Sample Lot: IM22060

Date Received: 04/06/2022 APRC #: RMH220407Z

Assay	Disposition	Date Tested
Cannabinoid Testing	Tested	04-08-2022
Heavy Metals - Utah State Cannabis Panel	Tested	04-12-2022
Microbial Impurities	Tested	04-13-2022
Pesticide Screen (APRC Panel)	Tested	04-08-2022
Residual Solvents	Tested	04-11-2022





LOT# YGG01

Instrument Analysis Report

Potency

Method: SOP 1-2026.01 Sample Name: Farmer and Chemist Cherry Gummy CBG APRC Lot Number: RMH220407Z

Cannabinoid	RT	Total %	Total mg/g
Cannabidivarin (CBDV)	ND	ND	ND
Cannabidiolic Acid (CBDA)	ND	ND	ND
Cannabigerolic Acid (CBGA)	ND	ND	ND
Cannabigerol (CBG)	3.16	0.13	1.29
Cannabidiol (CBD)	3.34	0.67	6.70
Tetrahydrocannabivarin (THCV)	ND	ND	ND
Cannabinol (CBN)	ND	ND	ND
Δ9-Tetrahydrocannabidinol (Δ9-THC)	6.22	0.13	1.31
Δ8-Tetrahydrocannabidinol (Δ8-THC)	ND	ND	ND
Cannabichromene (CBC)	ND	ND	ND
Δ9-Tetrahydrocannabidinolic Acid (THCA-A)	ND	ND	ND

Performed by: Sujan Timsina

Reviewed by: Spencer Kipfmueller

	%	mg/g
Total Cannabinoids	0.93	9.31
Total THC ^t	0.13	1.31
Total CBD ^s	0.67	6.70

^tTotal Thc is calculated by Δ 9-THC +(THCA-A*0.877) ^sTotal CBD is calculated by CBD + (CBDA*0.877)





APRC Lot Number: RMH220407Z

Heavy Metals

Method: CTLA

LOT# YGG01

Analyte	Result (ppm)	LOD (ppm)	Threshold (ppm)	Pass/Fail
Arsenic	<0.001	0.001	2.00	Pass
Cadmium	0.001	0.001	0.82	Pass
Lead	0.053	0.001	1.20	Pass
Mercury	<0.001	0.001	0.40	Pass

Heavy metal analysis is completed in partnership with Contract Testing Laboratories of America, Orem UT.

Sample Name: Farmer and Chemist Cherry Gummy CBG

Performed by: CTLA

Reviewed by: William Deutschman





Microbial Impurities

LOT# YGG01

Method: 1-2034.01	Sample Name: Farmer and Chemist Cherry Gummy CBG	APRC Lot Number: RMH220407Z

Total Counts				
Microbial Group:	Result:	Specification:	Disposition:	
Total Aerobic Bacteria	<10	Report Only	Report Only	
Total Yeast and Mold	<10	Report Only	Report Only	

Specific Organism Identification				
Microbial Organism:	Result:	Specification:	Disposition:	
Aspergillus flavus	ND	Report Only	Report Only	
Aspergillus fumigatus	Detected	Report Only	Report Only	
Aspergillus niger	ND	Report Only	Report Only	
Aspergillus terreus	ND	Report Only	Report Only	
Escherichia coli - Non shigella	ND	Report Only	Report Only	
Escherichia coli - Shigella spp	ND	Report Only	Report Only	
Listeria monocytogenes	ND	Report Only	Report Only	
Salmonella - Specific Gene	ND	Report Only	Report Only	
Staphylococcus aureus	ND	Report Only	Report Only	
Pseudomonas aeruginosa	ND	Report Only	Report Only	

Performed by: Jordan Morley

Notes: Foreign Matter: ND

Reviewed by: <u>Riley Hunter</u>





Pesticides

LOT# YGG01

Method:

Sample Name: Farmer and Chemist Cherry Gummy CBG

APRC Lot Number: RMH220407Z

Pesticide:	Finding	Action Limit (μg/ g)	Pass/ Fail	Pesticide:	Finding	Action Limit (μg/ g)	Pass/ Fail
Abamectin	ND	0.5	Pass	Hexythiazon	ND	1.0	Pass
Acephate	ND	0.4	Pass	Imazal	ND	0.2	Pass
Acequinocyl	ND	2.0	Pass	Imidacloprid	ND	0.4	Pass
Acetamiprid	ND	0.2	Pass	Kresoxim-methyl	ND	0.4	Pass
Aldicarb	ND	0.4	Pass	Malathion A	ND	0.2	Pass
Azoxystrobin	ND	0.2	Pass	Metalaxyl	ND	0.2	Pass
Bifenazate	ND	0.2	Pass	Methiocarb	ND	0.2	Pass
Bifenthrin	ND	0.2	Pass	Methomyl	ND	0.4	Pass
Boscalid	ND	0.4	Pass	Methylparathion	ND	0.2	Pass
Carbaryl	ND	0.2	Pass	MGK-264	ND	0.2	Pass
Carbofuran	ND	0.2	Pass	Myclobutanil	ND	0.2	Pass
Chlorantraniliprole	e ND	0.2	Pass	Naled	ND	0.5	Pass
Chlorfenapyr	ND	1.0	Pass	Oxamyl	ND	1.0	Pass
Chlorpyrifos	ND	0.2	Pass	Paclobutrazol	ND	0.4	Pass
Clofentezine	ND	0.2	Pass	Permethrins	ND	0.2	Pass
Cyfluthrin	ND	1.0	Pass	Phosmet	ND	0.2	Pass
Cypermethrin	ND	1.0	Pass	Piperonylbutoxide	ND	2.0	Pass
Daminozide	ND	1.0	Pass	Prallethrin	ND	0.2	Pass
Dichlorvos	ND	0.1	Pass	Propiconazole	ND	0.4	Pass
Diazinon	ND	0.2	Pass	Propoxur	ND	0.2	Pass
Dimethoate	ND	0.2	Pass	Pyrethrin	ND	1.0	Pass
Ethoprophos	ND	0.2	Pass	Pyridaben	ND	0.2	Pass
Etofenprox	ND	0.4	Pass	Spinosad	ND	0.2	Pass
Etoxazole	ND	0.2	Pass	Spinetoram	ND	0.1	Pass
Fenoxycarb	ND	0.2	Pass	Spirotetramat	ND	0.2	Pass
Fenpyroximate	ND	0.4	Pass	Spiroxamine	ND	0.4	Pass
Fipronil	ND	0.4	Pass	Tebuconazole	ND	0.4	Pass
Flonicamid	ND	1.0	Pass	Thiacloprid	ND	0.2	Pass
Fludioxonil	ND	0.4	Pass	Thiamethoxam	ND	0.2	Pass
	1	11		Trifloxystrobin	ND	0.2	Pass

Performed	<u>Noura</u>	Reviewed	<u>Prabodh</u>
by:	<u>Dosoky</u>	by:	<u>Satyal</u>

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Residual Solvent

N.N-dimethylacetamide

1.2 Dimethoxyethane

1.4 Dioxane

1-Butanol

1-Pentanol

1-Propanol

2-Butanone

2-Butanol

2-Ethoxyethanol

2-Methylbutane

2-Propanol

Acetone Acetonitrile

Benzene

Cumene

Cyclohexane

Dichloromethane

2,2-Dimethylbutane

2,3-Dimethylbutane

m,p-Xylene

o-Xylene

Ethanol

Ethyl Acetate

Ethyl Benzene

Ethyl Ether

Ethylene Glycol

Ethylene Oxide



Pass

Pass Pass

Pass

Pass

Pass

Pass

Pass

Pass



Instrument Analysis Report

ND

214.037

ND

ND

ND

ND

ND

Residual Solvents

LOT# YGG01

Method: 1-2027.02 Sample Name: Farmer and Chemist Cherry Gummy CBG

5000

1090

100

380

5000

5000

5000

5000

5000

160

5000

5000

5000

410

2

5000

70

3880

600

290

290

See Total Xylenes

See Total Xylenes

5000

5000

See Total Xylenes

5000

620

50

Finding (µg/g) Action Level (µg/g) Pass/Fail

APRC Lot Number: RMH220407Z **Residual Solvent** Finding (µg/g) Action Level (µg/g) Pass/Fail 5000 Heptane ND Pass 290 ND Hexane Pass Isopropyl Acetate 5000 ND Pass 3000 Methanol ND Pass Methylpropane ND 5000 Pass 2-Methylpentane ND 290 Pass 3-Methylpentane ND 290 Pass N,N-Dimethylformamide ND 880 Pass ND 5000 Pass Pentane Propane ND 5000 Pass Pyridine ND 100 Pass Sulfolane ND 160 Pass Tetrahydrofuran 720 ND Pass ND 890 Pass Toluene Total Xylenes ND 2170 Pass

† Per Utah state code 4-41a-701(3) Section R68-29-6
‡ Total Xylenes is a combination of the following: o-Xylene, m-Xylene, p-Xylene, and Ethylbenzene

Overall Disposition: <u>Pass</u> Performed By: <u>Anil Rokaya</u> Reviewed By: <u>Spencer Kipfmueller</u>

Will Det

Approved By: William A. Deutschman, Ph.D. Laboratory Director - APRC Lehi 04/15/2022





Comprehensive Analysis Report

Sample Overview

LOT# YGG01

Client: Intrepid BioSciences None Sample Name: Farmer and Chemist Strawberry Gummy CBG Sample Matrix: Gelatinous Cube Sample Lot: IM22058

Date Received: 04/06/2022 APRC #: RMH220407AA

Assay	Disposition	Date Tested
Cannabinoid Testing	Tested	04-08-2022
Heavy Metals - Utah State Cannabis Panel	Tested	04-12-2022
Microbial Impurities	Tested	04-13-2022
Pesticide Screen (APRC Panel)	Tested	04-08-2022
Residual Solvents	Tested	04-11-2022





Potency

LOT# YGG01

Method: SOP 1-2026.01	Sample Name: Farmer ar CBG	Sample Name: Farmer and Chemist Strawberry Gummy APRC Lot Number: CBG RMH220407AA				
Cannabinoid	CEN	RT	Total %	Total mg/g		
Cannabidivarin (CB	BDV)	ND	ND	ND		
Cannabidiolic Acid	(CBDA)	ND	ND	ND		
Cannabigerolic Aci	d (CBGA)	ND	ND	ND		
Cannabigerol (CBG		3.17	0.12	1.24		
Cannabidiol (CBD)		3.35	0.67	6.69		
Tetrahydrocannabi	varin (THCV)	ND	ND	ND		
Cannabinol (CBN)		ND	ND	ND		
Δ9-Tetrahydrocann	abidinol (Δ9-THC)	6.23	0.13	1.26		
Δ8-Tetrahydrocann	abidinol (Δ8-THC)	ND	ND	ND		
Cannabichromene	(CBC)	ND	ND	ND		
Δ9-Tetrahydrocann	abidinolic Acid (THCA-A)	ND	ND	ND		

Performed by: Sujan Timsina

Reviewed by: Spencer Kipfmueller

	%	mg/g
Total Cannabinoids	0.92	9.20
Total THC ^t	0.13	1.26
Total CBD ^s	0.67	6.69

^tTotal Thc is calculated by Δ 9-THC +(THCA-A*0.877) ^STotal CBD is calculated by CBD + (CBDA*0.877)





Heavy Metals

LOT# YGG01

Method: CTLA Sample Name: Farmer and Chemist Strawberry Gummy CBG APRC Lot Number: RMH220407AA

Analyte	Result (ppm)	LOD (ppm)	Threshold (ppm)	Pass/Fail
Arsenic	0.001	0.001	2.00	Pass
Cadmium	<0.001	0.001	0.82	Pass
Lead	0.022	0.001	1.20	Pass
Mercury	<0.001	0.001	0.40	Pass

Heavy metal analysis is completed in partnership with Contract Testing Laboratories of America, Orem UT.

Performed by: CTLA

Reviewed by: William Deutschman





LOT# YGG01

Instrument Analysis Report

Microbial Impurities

Method: 1-2034.01 Sample Name: Farmer and Chemist Strawberry Gummy CBG APRC Lot Number: RMH220407AA

Total Counts				
Microbial Group:	Result:	Specification:	Disposition:	
Total Aerobic Bacteria	<10	Report Only	Report Only	
Total Yeast and Mold	<10	Report Only	Report Only	

Specific Organism Identification				
Microbial Organism:	Result:	Specification:	Disposition	
Aspergillus flavus	ND	Report Only	Report Only	
Aspergillus fumigatus	Detected	Report Only	Report Only	
Aspergillus niger	ND	Report Only	Report Only	
Aspergillus terreus	ND	Report Only	Report Only	
Escherichia coli - Non shigella	ND	Report Only	Report Only	
Escherichia coli - Shigella spp	ND	Report Only	Report Only	
Listeria monocytogenes	ND	Report Only	Report Only	
Salmonella - Specific Gene	ND	Report Only	Report Only	
Staphylococcus aureus	ND	Report Only	Report Only	
Pseudomonas aeruginosa	ND	Report Only	Report Only	

Performed by: Jordan Morley

Notes: Foreign Matter: ND

Reviewed by: Riley Hunter



Sample Name: Farmer and Chemist Strawberry Gummy CBG



APRC Lot Number: RMH220407AA

Instrument Analysis Report

Pesticides

Method:

LOT# YGG01

Pesticide:	Finding	Action Limit (µg/	Pass/ Fail	
resultue:	manig	g)		
Abamectin	ND	0.5	Pass	
Acephate	ND	0.4	Pass	
Acequinocyl	ND	2.0	Pass	
Acetamiprid	ND	0.2	Pass	
Aldicarb	ND	0.4	Pass	
Azoxystrobin	ND	0.2	Pass	
Bifenazate	ND	0.2	Pass	
Bifenthrin	ND	0.2	Pass	
Boscalid	ND	0.4	Pass	
Carbaryl	ND	0.2	Pass	
Carbofuran	ND	0.2	Pass	
Chlorantraniliprole	ND	0.2	Pass	
Chlorfenapyr	ND	1.0	Pass	
Chlorpyrifos	ND	0.2	Pass	
Clofentezine	ND	0.2	Pass	
Cyfluthrin	ND	1.0	Pass	
Cypermethrin	ND	1.0	Pass	
Daminozide	ND	1.0	Pass	
Dichlorvos	ND	0.1	Pass	
Diazinon	ND	0.2	Pass	
Dimethoate	ND	0.2	Pass	
Ethoprophos	ND	0.2	Pass	
Etofenprox	ND	0.4	Pass	
Etoxazole	ND	0.2	Pass	
Fenoxycarb	ND	0.2	Pass	
Fenpyroximate	ND	0.4	Pass	
Fipronil	ND	0.4	Pass	
Flonicamid	ND	1.0	Pass	
Fludioxonil	ND	0.4	Pass	

Pesticide: F	inding	Action Limit (µg/	Pass
- 0 -		g)	Fail
Hexythiazon	ND	1.0	Pass
Imazal	ND	0.2	Pass
Imidacloprid	ND	0.4	Pass
Kresoxim-methyl	ND	0.4	Pass
Malathion A	ND	0.2	Pass
Metalaxyl	ND	0.2	Pass
Methiocarb	ND	0.2	Pass
Methomyl	ND	0.4	Pass
Methylparathion	ND	0.2	Pass
MGK-264	ND	0.2	Pass
Myclobutanil	ND	0.2	Pass
Naled	ND	0.5	Pass
Oxamyl	ND	1.0	Pass
Paclobutrazol	ND	0.4	Pass
Permethrins	ND	0.2	Pass
Phosmet	ND	0.2	Pass
Piperonylbutoxide	ND	2.0	Pass
Prallethrin	ND	0.2	Pass
Propiconazole	ND	0.4	Pass
Propoxur	ND	0.2	Pass
Pyrethrin	ND	1.0	Pass
Pyridaben	ND	0.2	Pass
Spinosad	ND	0.2	Pass
Spinetoram	ND	0.1	Pass
Spirotetramat	ND	0.2	Pass
Spiroxamine	ND	0.4	Pass
Tebuconazole	ND	0.4	Pass
Thiacloprid	ND	0.2	Pass
Thiamethoxam	ND	0.2	Pass
Trifloxystrobin	ND	0.2	Pass

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Residual Solvents

LOT# YGG01

Method: 1-2027.02 Sample Name: Farmer and Chemist Strawberry Gummy CBG APRC Lot Number: RMH220407AA

Residual Solvent	Finding (µg/g)	Action Level (µg/g)	Pass/Fai
Dimethyl sulfoxide	ND	5000	Pass
N, N-dimethylacetamide	ND	1090	Pass
1,2 Dimethoxyethane	ND	100	Pass
1,4 Dioxane	ND	380	Pass
1-Butanol	ND	5000	Pass
1-Pentanol	ND	5000	Pass
1-Propanol	ND	5000	Pass
2-Butanone	ND	5000	Pass
2-Butanol	ND	5000	Pass
2-Ethoxyethanol	ND	160	Pass
2-Methylbutane	ND	5000	Pass
2-Propanol	19.932	5000	Pass
Acetone	ND	5000	Pass
Acetonitrile	ND	410	Pass
Benzene	ND	2	Pass
Butane	ND	5000	Pass
Cumene	ND	70	Pass
Cyclohexane	ND	3880	Pass
Dichloromethane	ND	600	Pass
2,2-Dimethylbutane	ND	290	Pass
2,3-Dimethylbutane	ND	290	Pass
m,p-Xylene	ND	See Total Xylenes	Pass
o-Xylene	ND	See Total Xylenes	Pass
Ethanol	295.427	5000	Pass
Ethyl Acetate	ND	5000	Pass
Ethyl Benzene	ND	See Total Xylenes	Pass
Ethyl Ether	ND	5000	Pass
Ethylene Glycol	ND	620	Pass
Ethylene Oxide	ND	50	Pass

Residual Solvent	Finding (µg/g)	Action Level (µg/g)	Pass/Fail
Heptane	ND	5000	Pass
Hexane	ND	290	Pass
Isopropyl Acetate	ND	5000	Pass
Methanol	ND	3000	Pass
Methylpropane	ND	5000	Pass
2-Methylpentane	ND	290	Pass
3-Methylpentane	ND	290	Pass
N,N-Dimethylformamide	ND	880	Pass
Pentane	ND	5000	Pass
Propane	ND	5000	Pass
Pyridine	ND	100	Pass
Sulfolane	ND	160	Pass
Tetrahydrofuran	ND	720	Pass
Toluene	ND	890	Pass
Total Xylenes	ND	2170	Pass

† Per Utah state code 4-41a-701(3) Section R68-29-6
‡ Total Xylenes is a combination of the following: o-Xylene, m-Xylene, p-Xylene, and Ethylbenzene

Overall Disposition: <u>Pass</u> Performed By: <u>Anil Rokaya</u> Reviewed By: <u>Spencer Kipfmueller</u>

Will Det

Approved By: William A. Deutschman, Ph.D. Laboratory Director - APRC Lehi 04/15/2022