



Comprehensive Analysis Report

Sample Overview

Lot #: YGN8BB924
Batch Amount: 4500

Client: Intrepid BioSciences

5921 S STATLER STREET MURRAY, UT
84107

Date Received: 09/06/2022

Sample Name: Cherry hemp Gummy

APRC #: RMH220907A

Sample Matrix: Gelatinous Cube

Sample Lot: IM22252-FP

| Assay | Disposition | Date Tested |
|--|-------------|-------------|
| Cannabinoid Testing (Potency) | Tested | 09-07-2022 |
| Heavy Metals - Utah State Cannabis Panel | Tested | 09-12-2022 |
| Microbial Impurities | Tested | 09-08-2022 |
| Pesticide Screen (APRC Panel) | Tested | 09-10-2022 |
| Residual Solvents | Tested | 09-07-2022 |



Accreditation #115229

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Instrument Analysis Report

Potency

Lot #: YGN8BB924
Batch Amount: 4500

Method: SOP 1-2026.01

Sample Name: Cherry hemp Gummy

APRC Lot Number: RMH220907A

| Cannabinoid | RT | Total % | Total mg/g |
|---|------|---------|------------|
| Cannabidiarin (CBDV) | 2.16 | 0.01 | 0.06 |
| Cannabidiolic Acid (CBDA) | ND | ND | ND |
| Cannabigerolic Acid (CBGA) | ND | ND | ND |
| Cannabigerol (CBG) | 3.08 | 0.02 | 0.17 |
| Cannabidiol (CBD) | 3.24 | 0.63 | 6.33 |
| Tetrahydrocannabivarin (THCV) | ND | ND | ND |
| Cannabinol (CBN) | 4.76 | 0.14 | 1.44 |
| Δ 9-Tetrahydrocannabinol (Δ 9-THC) | 5.97 | 0.13 | 1.35 |
| Δ 8-Tetrahydrocannabinol (Δ 8-THC) | ND | ND | ND |
| Cannabichromene (CBC) | 7.48 | 0.01 | 0.12 |
| Δ 9-Tetrahydrocannabinolic Acid (THCA-A) | ND | ND | ND |

Performed by: Sujan Timsina

Reviewed by: Jordan Morley

| | % | mg/g |
|------------------------|------|------|
| Total Cannabinoids | 0.95 | 9.47 |
| Total THC ^t | 0.13 | 1.35 |
| Total CBD ^s | 0.63 | 6.33 |

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

^sTotal CBD is calculated by CBD + (CBDA*0.877)

LOD > 0.005% by mass, LOQ > 0.01% by mass

Notes: Number of gummies sampled:
5 | Average gummy mass: 3.74g



Instrument Analysis Report

Heavy Metals

Lot #: YGN8BB924
Batch Amount: 4500

Method: CTLA

Sample Name: Cherry hemp Gummy

APRC Lot Number: RMH220907A

| Analyte | Result (ppm) | LOD (ppm) | Threshold (ppm) | Pass/Fail |
|---------|--------------|-----------|-----------------|-----------|
| Arsenic | 0.002 | 0.001 | 2.00 | Pass |
| Cadmium | <0.001 | 0.001 | 0.82 | Pass |
| Lead | 0.005 | 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



Instrument Analysis Report

Microbial Impurities

Lot #: YGN8BB924
Batch Amount: 4500

Method: SOP 1-2034.01

Sample Name: Cherry hemp Gummy

APRC Lot Number: RMH220907A

| Total Counts | | | |
|------------------------|-----------------|----------------|--------------|
| Microbial Group: | Result (CFU/g): | 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 | ND | Not Detected |
| Aspergillus fumigatus | ND | ND | Not Detected |
| Aspergillus niger | ND | ND | Not Detected |
| Aspergillus terreus | ND | ND | Not Detected |
| Escherichia coli - Non shigella | ND | ND | Not Detected |
| Escherichia coli - Shigella spp | ND | ND | Not Detected |
| Listeria monocytogenes | ND | ND | Not Detected |
| Salmonella - Specific Gene | ND | ND | Not Detected |
| Staphylococcus aureus | ND | ND | Not Detected |
| Pseudomonas aeruginosa | ND | ND | Not Detected |

Performed by: Jordan Morley

Notes: Foreign Matter: Not Detected.

Reviewed by: Spencer Kipfmueeller



Instrument Analysis Report

Pesticides

Lot #: YGN8BB924
Batch Amount: 4500

Method:

Sample Name: Cherry hemp Gummy

APRC Lot Number: RMH220907A

| Pesticide: | Finding | Action Limit (µg/g) | Pass/Fail |
|---------------------|---------|---------------------|-----------|
| 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: | Finding | Action Limit (µg/g) | Pass/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 |

Performed by: Noura Ahmed

Reviewed by: Prabodh Satyal

Pesticide testing performed in a non-ISO 17025:2017 accredited facility.

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Instrument Analysis Report

Residual Solvents

Lot #: YGN8BB924
Batch Amount: 4500

Method: SOP 1-2027.02

Sample Name: Cherry hemp Gummy

APRC Lot Number: RMH220907A

| Residual Solvent | Finding (µg/g) | Action Level (µg/g) | Pass/Fail |
|-----------------------|----------------|---------------------|-----------|
| 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 | ND | 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 | 84.593 | 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 | 59.401 | 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: Pass
Performed By: Anil Rokaya
Reviewed By: Spencer Kipfmueller

William A. Deutschman

Approved By:
William A. Deutschman, Ph.D.
Laboratory Director - APRC Lehi
09/12/2022



Comprehensive Analysis Report

Sample Overview

Lot #: YGN8BB924
Batch Amount: 4500

Client: Intrepid BioSciences

5921 S STATLER STREET MURRAY, UT
84107

Date Received: 09/06/2022

Sample Name: Strawberry Hemp Gummy

APRC #: RMH220907B

Sample Matrix: Gelatinous Cube

Sample Lot: IM22259-FP

| Assay | Disposition | Date Tested |
|--|-------------|-------------|
| Cannabinoid Testing (Potency) | Tested | 09-08-2022 |
| Heavy Metals - Utah State Cannabis Panel | Tested | 09-12-2022 |
| Microbial Impurities | Tested | 09-08-2022 |
| Pesticide Screen (APRC Panel) | Tested | 09-10-2022 |
| Residual Solvents | Tested | 09-07-2022 |



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Instrument Analysis Report

Potency

Lot #: YGN8BB924
Batch Amount: 4500

Method: SOP 1-2026.01

Sample Name: Strawberry Hemp Gummy

APRC Lot Number: RMH220907B

| Cannabinoid | RT | Total % | Total mg/g |
|---|------|---------|------------|
| Cannabidiarin (CBDV) | ND | ND | ND |
| Cannabidiolic Acid (CBDA) | ND | ND | ND |
| Cannabigerolic Acid (CBGA) | ND | ND | ND |
| Cannabigerol (CBG) | 3.18 | 0.02 | 0.17 |
| Cannabidiol (CBD) | 3.33 | 0.61 | 6.10 |
| Tetrahydrocannabivarin (THCV) | ND | ND | ND |
| Cannabinol (CBN) | 4.88 | 0.14 | 1.41 |
| Δ 9-Tetrahydrocannabinol (Δ 9-THC) | 6.10 | 0.13 | 1.34 |
| Δ 8-Tetrahydrocannabinol (Δ 8-THC) | ND | ND | ND |
| Cannabichromene (CBC) | ND | ND | ND |
| Δ 9-Tetrahydrocannabinolic Acid (THCA-A) | ND | ND | ND |

Performed by: Jordan Morley

Reviewed by: Spencer Kipfmueeller

| | % | mg/g |
|------------------------|------|------|
| Total Cannabinoids | 0.90 | 9.01 |
| Total THC ^t | 0.13 | 1.34 |
| Total CBD ^s | 0.61 | 6.10 |

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

^sTotal CBD is calculated by CBD + (CBDA*0.877)

LOD > 0.005% by mass, LOQ > 0.01% by mass

Notes: Number of Gummies Sampled:
5 | Average Mass of Gummy: 3.78



Instrument Analysis Report

Heavy Metals

Lot #: YGN8BB924
Batch Amount: 4500

Method: CTLA

Sample Name: Strawberry Hemp Gummy

APRC Lot Number: RMH220907B

| Analyte | Result (ppm) | LOD (ppm) | Threshold (ppm) | Pass/Fail |
|---------|--------------|-----------|-----------------|-----------|
| Arsenic | 0.003 | 0.001 | 2.00 | Pass |
| Cadmium | 0.002 | 0.001 | 0.82 | Pass |
| Lead | 0.019 | 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



Instrument Analysis Report

Microbial Impurities

Lot #: YGN8BB924
Batch Amount: 4500

Method: SOP 1-2034.01

Sample Name: Strawberry Hemp Gummy

APRC Lot Number: RMH220907B

| Total Counts | | | |
|------------------------|-----------------|----------------|--------------|
| Microbial Group: | Result (CFU/g): | Specification: | Disposition: |
| Total Aerobic Bacteria | <10 | Report Only | Report Only |
| Total Yeast and Mold | 20 | Report Only | Report Only |

| Specific Organism Identification | | | |
|----------------------------------|---------|----------------|--------------|
| Microbial Organism: | Result: | Specification: | Disposition: |
| Aspergillus flavus | ND | ND | Not Detected |
| Aspergillus fumigatus | ND | ND | Not Detected |
| Aspergillus niger | ND | ND | Not Detected |
| Aspergillus terreus | ND | ND | Not Detected |
| Escherichia coli - Non shigella | ND | ND | Not Detected |
| Escherichia coli - Shigella spp | ND | ND | Not Detected |
| Listeria monocytogenes | ND | ND | Not Detected |
| Salmonella - Specific Gene | ND | ND | Not Detected |
| Staphylococcus aureus | ND | ND | Not Detected |
| Pseudomonas aeruginosa | ND | ND | Not Detected |

Performed by: Jordan Morley

Notes: Foreign Matter: Not Detected.

Reviewed by: Spencer Kipfmueeller



Instrument Analysis Report

Pesticides

Lot #: YGN8BB924
Batch Amount: 4500

Method:

Sample Name: Strawberry Hemp Gummy

APRC Lot Number: RMH220907B

| Pesticide: | Finding | Action Limit (µg/g) | Pass/Fail |
|---------------------|---------|---------------------|-----------|
| 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: | Finding | Action Limit (µg/g) | Pass/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 |

Performed by: Noura Ahmed

Reviewed by: Prabodh Satyal

Pesticide testing performed in a non-ISO 17025:2017 accredited facility.

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Instrument Analysis Report

Residual Solvents

Lot #: YGN8BB924
Batch Amount: 4500

Method: SOP 1-2027.02

Sample Name: Strawberry Hemp Gummy

APRC Lot Number: RMH220907B

| Residual Solvent | Finding (µg/g) | Action Level (µg/g) | Pass/Fail |
|-----------------------|----------------|---------------------|-----------|
| 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 | ND | 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 | 35.842 | 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 | 44.658 | 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: Pass
Performed By: Anil Rokaya
Reviewed By: Spencer Kipfmueller

William A. Deutschman

Approved By:
William A. Deutschman, Ph.D.
Laboratory Director - APRC Lehi
09/12/2022