

# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Cherry Limeade Gummies  
**PRODUCT STRENGTH:** 25mg CBD + 5mg THC / gummy  
**BATCH:** 230202B  
**BEST BY DATE: HEMP** 01/17/2025  
**EXTRACT LOT:** II ; 438663

### Physical Attributes

Test	Method	Specification	Results
Color	Joy Internal	Red	PASS
Odor	Joy Internal	Sweet Cherry	PASS
Appearance	Joy Internal	Sugar Coated	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Container caps tight and seals intact	PASS
Secondary Package Eval.	Joy Internal	Labeling Compliance Checked, Sufficient cushion material exists. Box taped and secure.	PASS

### Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
<b>Potency - Total CBD</b>	HPLC-UV DAD	*NLT 25mg / gummy	<b>33mg</b>	PASS
<b>Potency - D9-THC</b>	HPLC-UV DAD	LOQ: <0.03% (full spectrum)	<b>5.4mg</b>	PASS
<b>Expanded Pesticide Panel</b>	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>Below LOQ</b>	PASS
<b>Microbial</b> Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	<b>Absent</b>	PASS
<b>Microbial</b> Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	<b>Absent</b>	PASS
<b>Microbial</b> Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>2</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 <sup>3</sup> CFU/gram	<b>Below LOQ</b>	PASS
<b>Heavy Metals Panel</b>	ICP-MS	Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	<b>Below LOQ</b>	PASS
<b>Mycotoxins</b>	ICP-MS	Total Aflatoxins <20 ppb† Aflatoxin B1 < 5 ppb Ochratoxin < 5ppb	<b>Below LOQ</b>	PASS
<b>Residual Solvents</b>	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>Below LOQ</b>	PASS

\* \*Level of Quantitation, † Parts Per Million ‡ Part Per Billion CFU/g=Colony Forming Units per Gram  
 \* Nothing Less Than Manufacture\*  
 10<sup>2</sup>=100 CFU  
 10<sup>3</sup>=1,000 CFU



2/2/2023

Quality Certified

Name  
Title

Date

## Cherry Limeade CBD:THC Gummy

Batch ID or Lot Number: <b>230202B</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 6
Reported: <b>22Jan2023</b>	Started: 22Jan2023	Received: 19Jan2023	

## Cannabinoids - Colorado Compliance


Test ID: T000233285


Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.007	0.023	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.021	ND	ND	
Cannabidiol (CBD)	0.019	0.063	0.831	8.31	
Cannabidiolic Acid (CBDA)	0.019	0.064	ND	ND	
Cannabidivarin (CBDV)	0.004	0.015	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.008	0.027	ND	ND	
Cannabigerol (CBG)	0.004	0.013	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.016	0.054	ND	ND	
Cannabinol (CBN)	0.005	0.017	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.037	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.019	0.064	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.017	0.059	0.137	1.37	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.015	0.052	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.012	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.046	ND	ND	
<b>Total Cannabinoids</b>			<b>0.968</b>	<b>9.68</b>	
Total Potential THC			0.137	1.37	
Total Potential CBD			0.831	8.31	

### Final Approval

  
Sam Smith  
25Jan2023  
10:42:00 AM MST  
PREPARED BY / DATE

  
Karen Winternheimer  
25Jan2023  
10:46:00 AM MST  
APPROVED BY / DATE

## Cherry Limeade CBD:THC Gummy

Batch ID or Lot Number: <b>230202B</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 6
Reported: <b>22Jan2023</b>	Started: 22Jan2023	Received: 19Jan2023	

### Microbial Contaminants - Colorado Compliance

Test ID: T000233287  
Methods: TM25 (qPCR) TM24, TM26,  
TM27 (Culture Plating): Microbial  
(Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

#### Final Approval

	Brett Hudson 23Jan2023 04:01:00 PM MST		Eden Thompson-Wright 23Jan2023 04:17:00 PM MST
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PREPARED BY / DATE

APPROVED BY / DATE

### Heavy Metals - Colorado Compliance

Test ID: T000233288  
Methods: TM19 (ICP-MS): Heavy  
Metals

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.47	ND	
Cadmium	0.04 - 4.50	ND	
Mercury	0.04 - 4.49	ND	
Lead	0.05 - 5.24	ND	

#### Final Approval

	Sam Smith 24Jan2023 11:06:00 AM MST		Karen Winternheimer 24Jan2023 11:13:00 AM MST
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PREPARED BY / DATE

APPROVED BY / DATE

## Cherry Limeade CBD:THC Gummy

Batch ID or Lot Number: <b>230202B</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 6
Reported: <b>22Jan2023</b>	Started: 22Jan2023	Received: 19Jan2023	


### Residual Solvents - Colorado Compliance

Test ID: T000233289


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	109 - 2189	ND	
Butanes (Isobutane, n-Butane)	223 - 4458	ND	
Methanol	65 - 1293	ND	
Pentane	112 - 2242	ND	
Ethanol	103 - 2061	>2061	
Acetone	108 - 2170	ND	
Isopropyl Alcohol	105 - 2090	ND	
Hexane	7 - 134	ND	
Ethyl Acetate	109 - 2174	ND	
Benzene	0.2 - 4.7	ND	
Heptanes	111 - 2216	ND	
Toluene	19 - 376	ND	
Xylenes (m,p,o-Xylenes)	130 - 2603	ND	

#### Final Approval

 Karen Winternheimer  
22Jan2023  
01:38:00 PM MST

PREPARED BY / DATE

 Sam Smith  
22Jan2023  
01:39:00 PM MST

APPROVED BY / DATE

## Cherry Limeade CBD:THC Gummy


Batch ID or Lot Number: <b>230202B</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 6
Reported: <b>22Jan2023</b>	Started: 22Jan2023	Received: 19Jan2023	

## Mycotoxins - Colorado Compliance

Test ID: T000233290  
Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.96 - 132.62	ND	N/A
Aflatoxin B1	0.98 - 33.96	ND	
Aflatoxin B2	1.01 - 33.67	ND	
Aflatoxin G1	0.98 - 33.96	ND	
Aflatoxin G2	0.92 - 34.32	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

  
 Sam Smith  
 25Jan2023  
 11:22:00 AM MST  
 PREPARED BY / DATE

  
 Karen Winternheimer  
 25Jan2023  
 11:26:00 AM MST  
 APPROVED BY / DATE

## Cherry Limeade CBD:THC Gummy

Batch ID or Lot Number: <b>230202B</b>	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 5 of 6
Reported: <b>22Jan2023</b>	Started: 22Jan2023	Received: 19Jan2023	

### Pesticides


Test ID: T000233286


Methods: TM17

(LC-QQ LC MS/MS)

	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	309 - 2713	ND	Malathion	292 - 2720	ND
Acephate	38 - 2763	ND	Metalaxyl	42 - 2705	ND
Acetamiprid	40 - 2783	ND	Methiocarb	44 - 2669	ND
Azoxystrobin	42 - 2728	ND	Methomyl	40 - 2764	ND
Bifenazate	43 - 2678	ND	MGK 264 1	180 - 1636	ND
Boscalid	42 - 2783	ND	MGK 264 2	120 - 1144	ND
Carbaryl	42 - 2754	ND	Myclobutanil	46 - 2718	ND
Carbofuran	42 - 2725	ND	Naled	42 - 2796	ND
Chlorantraniliprole	39 - 2763	ND	Oxamyl	39 - 2775	ND
Chlorpyrifos	47 - 2762	ND	Paclobutrazol	39 - 2732	ND
Clofentezine	268 - 2765	ND	Permethrin	274 - 2747	ND
Diazinon	284 - 2748	ND	Phosmet	40 - 2724	ND
Dichlorvos	300 - 2805	ND	Prophos	291 - 2708	ND
Dimethoate	39 - 2760	ND	Propoxur	43 - 2718	ND
E-Fenpyroximate	271 - 2753	ND	Pyridaben	282 - 2742	ND
Etofenprox	45 - 2751	ND	Spinosad A	32 - 2242	ND
Etoxazole	282 - 2727	ND	Spinosad D	47 - 503	ND
Fenoxycarb	44 - 2747	ND	Spiromesifen	281 - 2741	ND
Fipronil	54 - 2760	ND	Spirotetramat	289 - 2735	ND
Flonicamid	45 - 2832	ND	Spiroxamine 1	17 - 1188	ND
Fludioxonil	312 - 2703	ND	Spiroxamine 2	23 - 1540	ND
Hexythiazox	42 - 2778	ND	Tebuconazole	278 - 2733	ND
Imazalil	289 - 2706	ND	Thiacloprid	40 - 2775	ND
Imidacloprid	43 - 2784	ND	Thiamethoxam	41 - 2796	ND
Kresoxim-methyl	41 - 2759	ND	Trifloxystrobin	43 - 2756	ND

### Final Approval

  
 Karen Winternheimer  
 27Jan2023  
 08:03:00 AM MST  
 PREPARED BY / DATE

  
 Sam Smith  
 27Jan2023  
 08:06:00 AM MST  
 APPROVED BY / DATE